الأمم المتحدة

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رسالة مؤرخة ١٤ كانون الثاني/يناير ٢٠٠٠ موجهة
إلى رئيس مجلس الأمن من الأمين العام

عملا بالفقرة ٩ من قرار مجلس الأمن ١٢٨١ (١٩٩٩) المؤرخ ١٠ كانون الأول/ ديسمبر ١٩٩٩، أتشرف بأن أقدم قائمة تفصيلية بقطع الغيار والمعدات اللازمة للغرض المبين في الفقرة ١ من القرار ١١٧٥ (١٩٩٨).

ولتيسير إعداد القائمة الآنفة الذكر، أوفدت إلى العراق خبيرا من شركة "سيبولت الهولندية"، التي تقوم بموجب عقد مبرم مع الأمم المتحدة بتوفير مفتشين مستقلين منذ بدء البرنامج الإنساني في العراق عملا بالقرار ٩٨٦ (١٩٩٥). وقد زار الخبير العراق في الفترة من ١٥ إلى ٢١ كانون الأول/ ديسمبر ١٩٩٩ ليستعرض الحالة على أرض الواقع، وليعد، بالتشاور مع حكومة العراق، قائمة بقطع الغيار والمعدات اللازمة لتمكين العراق من زيادة صادراته من النفط والمنتجات النفطية، بكميات تكفي لتوفير المبلغ المحدد في الفقرة ٢ من القرار ١١٥٣ (١٩٩٨). ومرفق طيه تقرير الخبير للاطلاع (المرفق الأول).

وكما ذكرت في تقاريري السابقة إلى مجلس الأمن، فإن صناعة النفط في العراق في حال يرثى لها. ومرافق النفط في العراق في تدهور مستمر، مما يؤثر سلبا في سلامة العاملين في حقول النفط ويلحق أضرارا جسيمة بالبيئة فضلا عن إلحاق الضرر بآبار النفط - بصفة دائمة بالنسبة لبعضها - وأوردت تفاصيل في تقاريري السابقة إلى مجلس الأمن (S/1998/330 و Corr.1 و S/1998/1233 و S/1999/746 و Add.1، و S/1999/1053 و S/1999/1162 و Corr.1). ويمكن أن يؤدي استمرار تدهور مرافق النفط إلى انهيار كبير لقدرة العراق على إنتاج النفط وتصديره، مما تترتب عليه مضاعفات خطيرة في تنفيذ البرنامج الإنساني.

وبناء على ذلك، أود أن أكرر التأكيد على توصيتي، الواردة في رسالتي المؤرخة ١٢ تشرين الأول/ أكتوبر ١٩٩٩ الموجهة إلى رئيس مجلس الأمن (S/1999/1035) التي تقضي بأن يوافق مجلس الأمن على طلب حكومة العراق زيادة المبلغ المرصود لقطع الغيار والمعدات النفطية بمبلغ ٣٠٠ مليون دولار، ليصل مجموع المبلغ المرصود إلى ٦٠٠ مليون دولار في إطار المرحلة السادسة من البرنامج الإنساني. وأود أيضا إعلام المجلس أن الأموال اللازمة لتوفير هذه الزيادة متوفرة.

وتستدعي الأوضاع الحالية التي عليها مرافق النفط المبينة أعلاه اتخاذ إجراءات علاجية. وما لم تتم الموافقة على وجه السرعة على الطلبات المتعلقة بالعقود المتعلقة بقطع الغيار والمعدات النفطية الرئيسية وما لم توفر وتجهز للاستعمال في غضون فترة زمنية قصيرة، يرجح أن يتدنى إنتاج النفط حتى في ظل نظام "إدارة صارمة للمخاطر".

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وبالنسبة للمرحلة السابعة، اقترحت حكومة العراق رصد مبلغ قدره ٦٠٠ مليون دولار لقطع الغيار والمعدات النفطية، وهو ضعف مبلغ الـ ٣٠٠ مليون دولار الذي وافق عليه مجلس الأمن في القرار ١٢٨١ (١٩٩٩). ووفقا للخبير، ومع أخذه حالة قطاع النفط الراهنة في الاعتبار، فإن مبلغ الـ ٦٠٠ مليون دولار المقترح رصده معقول.

وبدون الانتقاص من وجاهة اقتراح حكومة العراق والتقييم الذي أجراه الخبير، أود إبقاء المسألة قيد النظر المستمر وانتظار تقرير فريق الخبراء الستة، الذي يضم خبراء في صناعة النفط، الذي سأوفده إلى العراق في الفترة الممتدة من ١٥ إلى ٣١ كانون الثاني/يناير ٢٠٠٠ لدراسة حالة قطاع إنتاج النفط في العراق. وستؤخذ توصيات فريق الخبراء بعين الاعتبار في التقرير الذي سأقدمه إلى المجلس، عملا بالفقرة ٢٨ من القرار ١٢٨٤ (١٩٩٩)، عن التقدم المحرز في تلبية الاحتياجات الإنسانية لشعب العراق وعن الإيرادات اللازمة للوفاء بتلك الاحتياجات، بما في ذلك التوصيات بشأن المبالغ اللازم إضافتها إلى الاعتماد المرصود حاليا لقطع الغيار والمعدات النفطية.

وحتى ٣١ كانون الثاني/يناير ٢٠٠٠، تلقى مكتب برنامج العراق ما مجموعه ١٩٩١ طلبا يتعلق بقطع الغيار والمعدات النفطية، تربو قيمتها الإجمالية على ١,١ بليون دولار، وزع منها ٣٩٧ ١ طلبا تبلغ قيمتها الإجمالية ٧٢١ مليون دولار وأعلن أن ٥٠ عقدا باطلا ولاغيا.

ومن الطلبات التي وزعت، والبالغ مجموع عددها ٩٠٠ طلب والمقدرة قيمتها الإجمالية بمبلغ ٤٤٧ مليون دولار التي وافقت عليها لجنة مجلس الأمن المنشأة عملا بالقرار ٦٦١ (١٩٩٠)؛ وعلق في اللجنة، ٤٣٨ طلبا بقيمة إجمالية قدرها ٢١٧,٨ مليون دولار؛ ولا يزال هناك ٥٤ طلبا بقيمة ٥٦,٢ مليون دولار في انتظار قرار اللجنة. وما زال هناك ١٣٣ طلبا بقيمة إجمالية قدرها ١٢٠,٥ مليون دولار، قيّمها مكتب برنامج العراق لكنها لم توزع بعد بسبب نقص المعلومات التي وفرها مقدمو الطلبات. وعلاوة على ذلك، ونظرا للارتفاع الكبير في عدد الطلبات المتعلقة بقطع الغيار والمعدات النفطية التي وردت منذ تشرين الثاني/نوفمبر ١٩٩٩، ما زال ثمة ٤١٦ طلبا، بقيمة إجمالية قدرها ٢٦٣ مليون دولار، يجري حاليا استعراضها قبل توزيعها. وحتى ١٣ كانون الثاني/يناير ٢٠٠٠، بلغت القيمة الإجمالية لقطع الغيار والمعدات النفطية التي وردت إلى العراق، ٢٥٩,٩ مليون دولار.

وفي ضوء ما سبق، أود الإعراب عن الأمل في أن تشرع لجنة مجلس الأمن بأسرع ما يمكن في النظر في الطلبات المتعلقة بقطع الغيار والمعدات النفطية والموافقة عليها وفي مواصلة استعراض جميع الطلبات المعلقة.

(توقيع) كوفي عنان

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المرفق الأول

التقرير المقدم عملا بالفقرة ٩ من قرار مجلس الأمن ١٢٨١ (١٩٩٩)

ألف - الصلاحيات

١ - في الفقرة ٩ من قراره ١٢٨١ (١٩٩٩) المؤرخ ١٠ كانون الأول/ ديسمبر ١٩٩٩، طلب مجلس الأمن إلى الأمين العام أن يوافي المجلس في موعد لا يتجاوز ١٥ كانون الثاني/يناير ٢٠٠٠، بالتشاور مع حكومة العراق، بقائمة تفصيلية بقطع الغيار والمعدات اللازمة للغرض المبين في الفقرة ١ من القرار ١١٧٥ (١٩٩٨).

باء - مقدمة

٢ - بناء على طلب الأمين العام، زار أحد الخبراء العراق للتأكد من احتياجات العراق الراهنة من قطع الغيار والمعدات المتعلقة، بتمكينه من تعزيز قدرته الحالية على تصدير النفط الخام، وأيضا لاستعراض إمكانية زيادة الصادرات ومواصلة تقييمها.

٣ - وزار الخبير العراق في الفترة من ١٥ إلى ٢١ كانون الأول/ ديسمبر ١٩٩٩. وعقد اجتماعات مع كبار ممثلي وزارة النفط وجميع الشركات العاملة في قطاع النفط في العراق، بغية وضع الصيغة النهائية لقائمة قطع الغيار والمعدات النفطية.

جيم - خطة التوزيع للمرحلة السابعة

٤ - تشمل خطة التوزيع للمرحلة السابعة فيما يتعلق بقطع الغيار والمعدات النفطية، كما قدمتها حكومة العراق، الأهداف التالية:

<u>التمهيد للإنتاج</u>

(أ) إنجاز حفر ٢٤٠ بئرا (٤٠ في الشمال، و ٢٠٠ في الجنوب) بما فيها الآبار لأغراض الحقن بالمياه؛

(ب) حفر ١٦٠ بئرا جديدة (٧٠ في الشمال، و ٩٠ في الجنوب) بغية الحفاظ على الإنتاج في مستوى ٣ ملايين برميل في اليوم، ورفع الإنتاج إلى ما بين ٣,٣ و ٣,٤ مليون برميل في اليوم خلال عام ٢٠٠٠ (كانت هذه حصة العراق من إنتاج النفط في إطار منظمة البلدان المصدرة للنفط في عام ١٩٩٠) شريطة كفالة وصول قطع الغيار في الوقت المناسب وبكاملها؛

(ج) وصل ١٢٠ بئرا منتجة (٥٠ في الشمال، و ٧٠ في الجنوب)، رهنا بتوفر ما يلزم من خطوط أنابيب تدفق النفط والمعدات المرتبطة به؛

(د) تركيب المعدات اللازمة لمعالجة مشاكل النفط الخام الرطب، لا سيما في الشمال (حقلا بابا وجمبور)؛

(هـ) الحفاظ على مستوى الإنتاج باستغلال حقول النفط في منطقتي الشمال والجنوب كلتيهما، حيث تتسم خطط أنابيب تدفق النفط وصمامات أعلى البئر بأهمية كبيرة؛

(و) التشديد على مسألتي مكافحة التلوث وتضرر البيئة، لا سيما فيما يتعلق بتلوث الهواء؛

(ز) التشديد بوجه خاص على إنتاج الغاز وتوزيعه على الـ ١٢ معمل لتوليد الطاقة العاملة بالغاز والتي أنشئت حديثا؛

الإنتاج

(أ) تحسين نوعية المنتجات، عن طريق تحسين التكرير وتنفيذ مشاريع محددة خاصة بالمعامل (معمل زيت التشحيم رقم ٢ في مصفاة بيجي)؛

(ب) خفض استخدام رابع إيثيل الرصاص من خلال إنشاء معمل مماكبة في الدورة ووحدة تكسير بالحفز المسيل في بيجي، مما يؤدي إلى إنتاج ٣٠ في المائة من البنزين الخالي من الرصاص؛

(ج) زيادة كفاية وحدات المماكبة من أجل خفض نسبة الكبريت في المازوت البالغة حاليا ١,٢ في المائة لتصل إلى ٠,٧ في المائة؛

(د) مراقبة نوعية انبعاثات الغاز من شركتي غاز الشمال والجنوب؛

(هـ) تحسين كفاية توزيع الإنتاج عن طريق زيادة عدد اسطوانات الغاز المتوفرة، وزيادة عدد الشاحنات الصهريجية وتوفير المزيد من المنشآت لتخزين الإنتاج؛

(و) تركيب خطوط أنابيب للغاز والنفط في محطات الطاقة الكهربائية، للاستعاضة عن النقل البري؛

(ز) ترميم منشأة تخزين الغاز في الزبير لتحسين كفاية التوزيع وجعل تخزين الغاز أمرا ممكنا حينما يكون الطلب عليه منخفضا (بدلا من إشعاله)، ولتوفير مرفق للتصدير.

دال - الإنتاج أثناء المرحلة السادسة

٥ - تحققت الزيادة الهامشية في الإنتاج، وما ترتب على ذلك من زيادة في حجم الصادرات أثناء المرحلة السادسة، نتيجة وصل الآبار المحفورة سابقا، وتأثير (القصير الأجل) الحقن بالمياه، وتوفر المواد الكيمائية لحقول النفط (مثل مفككات الزيت المستحلب) التي أتيحت في إطار برنامج قطع الغيار الذي بدأ تنفيذه في المرحلة الرابعة.

هاء - الإنتاج الحالي

٦ - تقول وزارة النفط إن متوسط الإنتاج في المرحلة السادسة بلغ ٢,٧٥ مليون برميل في اليوم، وبلغ الإنتاج المحلي ٠,٦٠ مليون برميل في اليوم، وبالتالي بلغ حجم الصادرات ٢,١٥ مليون برميل في اليوم. وذكرت وزارة النفط للخبير أن هذا الرقم تحقق "في ظل نظام إدارة صارمة للمخاطر"، وليس في إطار "برنامج مخطط للإدارة الجيدة للمخزون".

٧ - وتم رصد الأحجام الفعلية للصادرات، خلال المراحل الثلاث الماضية على النحو التالي:

المرحلة الرابعة: ٠٠٠ ٧١٢ ١ برميل في اليوم

المرحلة الخامسة: ٠٠٠ ٠٠٩ ٢ برميل في اليوم

المرحلة السادسة: ٦٠٠ ١٦٤ ٢ برميل في اليوم

٨ - وتأثرت كميات الإنتاج السابقة (المقدرة في حزيران/يونيه ١٩٩٩ بثلاثة ملايين برميل في اليوم في كانون الأول/ ديسمبر ١٩٩٩، و ٣,٢ ملايين برميل في اليوم في آذار/ مارس ٢٠٠٠ و ٣,٥ ملايين برميل في اليوم في كانون الأول/ ديسمبر ٢٠٠٠) بسبب التأخيرات في الموافقة على تسليم قطع الغيار والمعدات.

٩ - ولذلك فإن التوقعات الحالية للإنتاج تتوقف كثيرا على الموافقة على قطع الغيار والمعدات اللازمة التي تمس لها الحاجة كثيرا في صناعة النفط، ووصولها وتوزيعها، والتعجيل بتركيبها وتجهيزها للعمل. وسيتم معالجة مسألة تأثير قطع الغيار والمعدات بصورة شاملة خلال الزيارة المقبلة لفريق الخبراء، المقررة في كانون الثاني/يناير ٢٠٠٠.

١٠ - ووفقا لوزارة النفط، فإذا تم الإفراج عن جميع العقود المعلقة والتعجيل بتجهيز الشحنات التالية وتسليمها، فإنه يمكن عمليا تحقيق إنتاج يتراوح بين ٣,٣ و ٣,٤ ملايين برميل في اليوم وهناك مخطط أكثر احتمالا إذ ترى وزارة النفط أن الإنتاج سينخفض بنحو ٠٠٠ ٣٠٠ برميل في اليوم.

١١ - وقدر الاستهلاك المحلي من النفط المكرر بنحو ٠٠٠ ٥٤٠ برميل في اليوم وتراوحت الكميات المسلمة إلى الأردن ما بين ٠٠٠ ٧٠ و ٠٠٠ ٩٠ برميل في اليوم.

١٢ - وإذا أخذنا في الاعتبار أن متوسط الإنتاج البالغ ٢,٧٥ مليون برميل في اليوم خلال المرحلة السادسة، والرأي المتحفظ القائل إن معدل الموافقة على العقود وما يترتب على ذلك من وصول قطع الغيار والمعدات لا يحتمل أن تتغير كثيرا في المستقبل القريب، فإنه يتوقع أن تبلغ القدرة الإنتاجية خلال المرحلة السابعة في المنطقة ما بين ٢,٥ و ٢,٦ مليون برميل في اليوم . وإذا ظل الاستهلاك المحلي من النفط المكرر في مستواه الحالي واستمر تصدير النفط الخام إلى الأردن سيتراوح حجم الصادرات نتيجة لذلك بين ١,٩٥ ومليوني برميل في اليوم، أو رقما مماثلا للرقم الذي تحقق في المرحلة السادسة.

واو - قطع الغيار والمعدات اللازمة للمرحلة السابعة

١٣ - تم تقديم قائمة بقطع الغيار والمعدات اللازمة للمرحلة السابعة في ١٣ جزءا، مقسمة، كما هو الشأن في المراحل السابقة، على الشركات العاملة مع رصد اعتماد لكل واحدة منها تحدده الحكومة العراقية.

١٤ - وكما هو الشأن في المرحلة السادسة فإن هناك عددا من المشاريع المحددة التي تحتاج إلى هذه القطع والمعدات كما تم تعديل نظام ترقيم البنود المتسلسلة لتحديد كل مشروع "قائم بذاته". ويتوقف إنجاز هذه المشاريع على الوصول المتزامن لجميع البنود المتسلسلة المحددة.

١٥ - ويفوق مجموع قيمة قطع الغيار والمعدات الواردة في القوائم ٣٠٠ مليون دولار، وهو المبلغ المنصوص عليه في قرار مجلس الأمن ١٢٨١ (١٩٩٩)، وستفوق قيمتها استنادا إلى التفتيش الأولي مبلغ ٦٠٠ مليون دولار، إذا ما تم التعاقد على جميع البنود. وذكر الخبير أن حكومة العراق أبلغته أنه تم توقيع عقود قيمتها ٦٣٠ مليون دولار في إطار المرحلة السادسة.

١٦ - وكما كان متوقعا في التقارير السابقة، بلغ إنتاج النفط الخام الذروة. وما لم يتم توفير قطع الغيار والمعدات الرئيسية وتجهيزها للعمل في فترة وجيزة من الوقت فإن الإنتاج يحتمل أن ينخفض حتى في ظل نظام من "إدارة صارمة للمخاطر". ومن وجهة نظر فنية (وكما أشرنا سابقا في تقريرنا - انظر S/1999/746) فإن تغيير الحالة يستلزم زيادة الأموال المخصصة لقطع الغيار والمعدات في إطار المرحلة السادسة. لذلك فإن الأموال التي خصصتها حكومة العراق في إطار المرحلة السابعة معقولة إذا أخذنا في الاعتبار الحالة الراهنة.

زاي - ميزانيات الشركات العاملة

<u>شركة نفط الشمال - ١٣٥ مليون دولار</u>

١٧ - تشمل القائمة المقدمة بقطع الغيار والمعدات اللازمة لشركة نفط الشمال أعمال الإصلاح والصيانة، بالإضافة إلى ما يلي:

(أ) حفر ٧٠ بئرا جديدة في كركوك، وحقلي باي حسن وصدام؛

(ب) صيانة ٤٠ بئرا في منطقة شركة نفط الشمال؛

(ج) المحافظة على إنتاج الآبار في منطقة شركة نفط الشمال؛

(د) معامل معالجة النفط الخام الرطب في حقلي بابا وجمبور.

<u>شركة نفط الجنوب - ٢٣٠ مليون دولار</u>

١٨ - يُخصص لهذه الشركة أكبر اعتماد من الأموال، وهذا ما يدل على المشاكل المواجهة في المنطقة. وتشمل المشاريع الرئيسية ما يلي:

(أ) حفر وإنجاز ٩٠ بئرا جديدة في حقلي الرميلة الشمالي والجنوبي، وفي حقلي لهيس وزبير؛

(ب) صيانة وإنجاز ٢٠٠ بئر في كامل أنحاء المنطقة؛

(ج) مواصلة إصلاح مجمع صهاريج الفاو لتعزيز القدرة على التخزين والقدرة على التصدير؛

(د) مواصلة استغلال حقل القرنة الغربي؛

(هـ) إعادة بناء محطة فصل الغاز في حقل الرميلة الجنوبي؛

(و) إصلاح وإعادة بناء معامل التجهيز ومحطات الضاغطات.

<u>الشركة العراقية للتنقيب عن النفط - ٣٥ مليون دولار</u>

١٩ - تشمل قائمة قطع الغيار والمعدات اللازمة للشركة العراقية للتنقيب عن النفط الاحتياجات المتعلقة بإصلاح وصيانة أطقم الحفر والصيانة الحالية، وطلبا للحصول على أربعة أجهزة حفر جديدة؛.

شركة المشاريع النفطية - ١٠ ملايين دولار

٢٠ - يتعلق هذا الطلب أساسا بالاحتياجات من معدات التشييد، وما يرتبط بها من قطع غيار، والمواد القابلة للاستهلاك، ومعدات الاختبار غير الإتلافي (بالأشعة السينية) ونظم الدعم المكتبية الضرورية.

شركة استكشاف النفط - ١٠ ملايين دولار

٢١ - يتضمن هذا الطلب معدات لاستكشاف النفط ودعم الإنتاج، والنقل، والدراسات والتحليلات الجيولوجية، وعقد للخدمات لنقل البيانات الجيولوجية الحالية الآخذة في التدهور بسرعة.

شركة مصافي الشمالي - ٣٠ مليون دولار

٢٢ - مخططات المرحلة السابعة لمصفاة بيجي هي في العديد من الحالات تكرار لمخططات المرحلة السادسة ولكن لم تطلب (وحدة معالجة الأسفلت بالنفخ، ووحدة استخلاص الكبريت)، أو طلبت جزئيا (وحدات فصل الكبريت بالهيدروجين، ومعمل زيت التشحيم). وتشمل المشاريع الجديدة في المرحلة السابعة ما يلي:

(أ) مواد لمعالجة مياه الغلايات؛

(ب) مشروع إزالة الأملاح من المياه الخام؛

(ج) وحدة التكسير بالحفز المسيل لتحسين نوعية البنزين؛

(د) معدات للتقليل من تلوث المياه المتدفقة.

شركة مصافي ميدلاند - ٢٢,٥ ملايين دولار

٢٣ - تشمل مخططات المرحلة السابقة لمصفاة الدورة أعمال الإصلاح والصيانة العامة، والتشغيل الآلي للغلايات، ومشروع لتركيب وحدة لمماكبة النفثا لتحسين نوعية البنزين.

شركة مصافي الجنوب - ٢٤,٥ مليون دولار

٢٤ - تتضمن القائمة قطع غيار ومعدات عامة للإصلاح والصيانة، إلى جانب جهاز آلي لمراقبة قياس المستويات في الصهاريج، ووحدات أخرى لمعالجة المياه.

شركة غاز الشمال - ١٠ ملايين دولار

٢٥ - يشمل هذا الطلب مجموعة كبيرة منوعة من الاحتياجات في مجال النقل وأجهزة لمراقبة البيئة ومعدات للسلامة ومواد عامة قابلة للاستهلاك.

شركة غاز الجنوب - ١٥ مليون دولار

٢٦ - بالإضافة إلى قطع الغيار والمعدات العادية اللازمة لأعمال الإصلاح والصيانة، تشمل مخططات شركة غاز الجنوب:

(أ) إصلاح مصانع خور زبير لتسييل الغاز الطبيعي وتسييل الغاز النفطي وتخزين الغاز اللازم لتشغيل محطة إنتاج الطاقة وللاستهلاك المحلي، مما يخفض من الاشتعال وما يترتب عليه من تلوث، وكذلك إصلاح مصنع خور الزبير لخزن الغاز والتبريد بالغاز؛

(ب) إصلاح مصنع الرميلة الشمالي لمعالجة الغاز الحامض.

شركة توزيع المنتجات النفطية - ٣٢ مليون دولار

٢٧ - قطع غيار ومعدات لإصلاح وصيانة شبكة التوزيع في كامل أنحاء العراق، بالإضافة إلى مواد ومعدات لبناء تسعة صهاريج تخزين في منطقة الفرات، وفي الموصل وبغداد، وذلك للتقليل من الاعتماد على النقل بالمركبات.

شركة أنابيب النفط - ٤١ مليون دولار

٢٨ - تشمل القائمة أجهزة للتحكم والقياس الداخلي، بالإضافة إلى محطات للضخ لمنطقة الشمال (الموصل)، وذلك لتوصيل المنتجات إلى محطة الطاقة المحلية، والشروع في عمل الإصلاح - بعقد للكشط المبرمج للأنابيب - في الخط الشمالي لأنابيب الغاز الجاف الرميلة - الناصرية. وتشمل القائمة أيضا معدات لإصلاح محطة الرميلة الشمالية لضغط الغاز.

شركة تعبئة الغاز - ٢٥ مليون دولار

٢٩ - كما هو الشأن في المراحل السابقة، تركز خطة التوزيع على الاستعاضة عن اسطوانات غاز النفط المسيل التي يتسرب منها الغاز والخطيرة، بالإضافة إلى قطع غيار ومعدات لإصلاح وصيانة مصانع التعبئة في كامل البلد.

المرفق الثاني

احتياجات قطاع النفط في المرحلة السابعة - قائمة قطع الغيار والمعدات

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL NOC FIELDS
MATERIALS AND EQUIPMENT'S FOR OIL WELL DRILLING
ACTIVITY NO. (01):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-01-0001	CASING & TUBING (VARIOUS ,SIZES ,GRADES &WEIGHTS)	MTR.	400000	Items required to drill 70 new wells in North area, including Kirkuk, Bia Hassan & Saddam fields
08-7-01-0002	CASING ACCESSORIES (VARIOUS).	NOS.	15000	"
08-7-01-0003	ROCK BITS (VARIOUS) & NOZZLES (VARIOUS) .	NOS.	1500	"
08-7-01-0004	SINGLE PACKERS WITH ALL ACCESSORIES (VARIOUS)	SET	75	"
08-7-01-0005	PACKER AND PRODUCTION STRING WITH ALL ACCESSORIES FOR DUAL PRODUCTION.	SET	4	"
08-7-01-0006	OIL WELL CEMENT &ADDITIVES	TON	1000	"
08-7-01-0007	MUD MATERIALS	TON	20000	"
08-7-01-0008	WELL HEADS & X-MAS TREES WITH ACCESSORIES AND SPARE PARTS (VARIOUS).	SET	70	"
08-7-01-0009	LINER HANGER CEMENTED & UNCEMENTED WITH SEATING TOOLS AND ACCESSORIES (VARIOUS).	SET	50	"
08-7-01-0010	DRILLING SERVICE CONTRACT FOR DRILLING (33) WELLS IN DIFFERENT FIELDS OF N.O.C. AREA	WELL	33	"

MINISTRY OF OIL

ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: ALL NOC FIELDS

MATERIALS AND EQUIPMENT FOR OIL WELL WORKOVER

ACTIVITY NO. (02):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-02-0011	X- MAS TREES &TUBING SPOOL WITH ALL ACCESSORIES & SPARE PARTS (VARIOUS).	ASS	40	Equipment required to carry out well workovers on 40 wells in North region
08-7-02-0012	DOUBLE STUDDED ADAPTERS &ACCESSORIES &SPARES FOR THE EXISTING WELL HEADS &X- MAS TREES	LOT	2	"
08-7-02-0013	TUBING (VARIOUS SIZES, GRADES, & WEIGHTS.)	MTR.	60000	"
08-7-02-0014	SINGLE PACKERS WITH ALL ACCESSORIES	SET	40	"
08-7-02-0015	UNCEMENTED LINER HANGER WITH SETTING TOOLS & ACCESSORIES.	SET	10	"
08-7-02-0016	LINER HANGER SETTING TOOLS & SPARES (FOR THE EXISTING EQUIPMENT).	LOT	2	"
08-7-02-0017	CROSS –OVER SUBS	NOS.	300	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS
SUPPORTING MATERIALS AND EQUIPMENT FOR PRODUCTION MAINTENANCE
ACTIVITY NO. (03):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-03-0018	CEMENTING UNITS COMPLETE WITH ACCESSORIES & SPARES FOR TWO YEARS OPERATION	SET	2	Equipment and spares required for production maintenance throughout North region.
08-7-03-0019	HEAVY DUTY TRACTIVE UNIT FOR CEMENTING UNITS	NOS.	2	"
08-7-03-0020	SPARE PARTS FOR BJ CEMENTING UNIT & GM ENGINES.	LOT	2	"
08-7-03-0021	SPARE PARTS FOR JOHNSTON FORMATION TESTING TOOLS.	LOT	1	"
08-7-03-0022	AIR COMPRESSORS FOR CEMENTING WITH SPARES FOR TWO YEARS OPERATION	SET	5	"
08-7-03-0023	LIFTING CAR (FOR LIFT) ,TEN TONS LIFTING CAPACITY WITH SPARES FOR TWO YEARS OPERATION.	SET	2	"
08-7-03-0024	TRUCK MOUNTED WIRE-LINE UNIT	SET	2	"
08-7-03-0025	HYDROCHLORIC ACID TRANSPORT TRAILERS	SET	2	"
08-7-03-0026	MECHANICAL DOWNHHOLE PRESSURE GUAGE (KPG TYPE) COMPLETE WITH SPARE PARTS	SET	10	"
08-7-03-0027	HYDROCHLORIC ACID STORAGE PLANT	SET	1	"
08-7-03-0028	STAINLESS STEEL WELL MEASURING SLICK-LINE	DRUM.	16	"
08-7-03-0029	EXPLOSIVE BUNKERS (FOR TRANSPORTING & STORAGE OF WELL PERFORATING MATERIALS).	SET	5	"
08-7-03-0030	SKID MOUNTED GEOLOGICAL LAB.	SET	5	Mobile geological laboratory equipment for field testing
08-7-03-0031	FIELD GEOLOGICAL LAB EQUIPMENT.	SET	1	Laboratory equipment for geological field surveys
08-7-03-0032	SOFT WERE GEOLOGICAL APPLICATION	SET	1	Software for geological surveys

MINISTRY OF OIL

SHEET NO: 4 OF 23

ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: ALL AREAS

SUPPORTING MATERIALS AND EQUIPMENT FOR PRODUCTION MAINTENANCE

ACTIVITY NO. (03):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-03-0033	SOFTWARE AND HARDWARE PACKAGE FOR RESERVOIR ENGINEERING AND MANAGEMENT COVERING PRODUCTION WELL & FLOW LINES EVALUATION & ANALYSIS, LOGGING INTERPRETATION, DATABASE AND ARCHIVING SYSTEM .THE PACKAGE INCLUDES: - RELEVANT UPDATEABLE SOFTWARE (SPECIALIZED & GENERAL) - LANS WITH SERVERS CONNECTED TO PCS & WORKSTATIONS, NETWORK MATERIALS AND ALL RELEVANT PERIPHERALS [(SCANNERS (A0, A3, A4) PLOTTERS (A0,A3), PRINTERS, UPS, CD-W, & TAPE STORAGE MULTI MEDIA...ETC] - SUPPORTING UNITS AND MATERIALS	SYSTEM	3	Hardware and software items for production analysis, logging interpretation and archiving of exisiting deteriorating archive material.
08-7-03-0034	LAB TESTING EQUIPMENT &MATERIALS FOR OIL, GAS & WATER QUALITY CONTROL	LOT	3	Laboratory equipment and materials for quality control of field operations.
08-7-03-0035	SUBMERSIBLE PUMPS FOR INDUSTRIAL WATER FOR DRILLING	SET	30	Specialized submersible pumps for removal of water from wells

MINISTRY OF OIL

ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: PROCESS PLANT, ITP LINE & KABAZ FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENTS
	ELECTRICAL			
08-7-00-0036	MAINTENANCE OF AUTOMATIC TAP CHANGER FOR 33/11 KV TRANSFORMERS AT IT1 & NEW PROCESS PLANT	NOS.	6	Spares and equipment for transformers at IT-1 and new process plant
08-7-00-0037	SPARES FOR SIEMENS SWITCH GEAR AT IT1A & IT2A	NOS.	200	Spares for switch gear at IT-1A and IT-2A
	CONTROL & INSTRUMENTS			
08-7-00-0038	REPLACEMENT OF OBSOLETE CONTROL SYSTEM FOR ITP LINE	LOT.	1	Replacement of RTU's at IT-2, IT1-A and IT-1 required for pipeline operational control
08-7-00-0039	REPLACEMENT OF OBSOLETE CONTROL SYSTEMS OF NEW PROCESS PLANT AND OLD PROCESS PLANT	LOT	2	Control system spares for both old and new process plant in North area
	MECHANICAL			
08-7-00-0040	AIR COMPRESSORS, ELEC. DRIVEN WITH HUMIDRYER TO BE USED IN PROCESS PLANTS.	NOS.	12	Spare parts for maintenance of compressors in process plants.
08-7-00-0041	INTELLIGENT PIGGING OF REMAINDER OF THE ITP 40 INCH FROM FATHA TO (MS).	LOT.	1	Contract for intelligent pigging of balance of 40" line required after results of first report on previous section.
08-7-00-0042	REPLACEMENT OF OBJECT PUMPS IN PROCESS PLANTS(ELECTRICAL & DIESEL DRIVEN)	NOS.	24	Items for maintenance of pumps in process plants.
08-7-00-0043	SPARE PARTS FOR VARIOUS TYPES OF PROCESS PUMPS	LOT.	6	"
	CIVIL			
08-7-00-0044	THERMAL INSULATING MATERIALS VARIOUS TYPES FOR HEATERS & CHIMNEYS: INSULATING, BRICKS, MORTAR, BRACKETS, JOINT MATERIALS(FILLING) & FIRE PROOF COATING ...ETC	LOT.	3	Items for maintenancer and repair of the 2nd chimeny at the North Gas Plant, plus heaters, following on repair to the 1st chimney.

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: WATER INJECTION & WATER PUMPING STATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ELECTRICAL			
08-7-00-0045	REWINDING OF 930 KW , 3.3 KV MOTOR ABROAD	CONTRACT	1	Overseas contract for the re-winding of electric motor from K1.
	INSTRUMENTS			
08-7-00-0046	REPLACEMENT OF CONTROL SYSTEM FOR (EM 85) GAS TURBINES AT WATER INJECTION PLANT	SET.	2	Replacement control system for gas turbines at NOC water injection plants.
08-7-00-0047	INSTALLATION OF FLOW METERS FOR BIA HASSAN WATER INJECTION SYSTEM	LOT.	1	Measurement system for Bai Hassan water injection system.
	MECHANICAL			
08-7-00-0048	SPARE PARTS FOR RIVER AND GRAVITY PUMPS IN ZAB – AREA.	LOT.	2	Spares for ZAB area pumps for river water (water injection)
08-7-00-0049	REPLACEMENT OF OBSOLETE PUMPS IN WATER INJECTION PLANT			Replacement of obselete pumps for water injection facilities in North area.
	- REPLACEMENT OF WATER INJECTION PUMPS WITH ACCESSORIES	NOS.	4	
	- REPLACEMENT OF BACK WASH PUMPS WITH ACCESSORIES	NOS.	2	
08-7-00-0050	REPAIR OF ROTORS OF G.E.C TURBINES.	NOS.	3	Rotor repairs for turbines in ZAB area (water injection)

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: DEGASSING & COMPRESSOR STATIONS

SHEET NO.: 7 OF 23

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ELECTRICAL , MECHANICAL & INSTRUMENT			
08-7-00-0051	SPARE PARTS FOR AIR COMPRESSOR.	LOT	2	Spare parts for air compressors in NOC area>
08-7-00-0052	SPARE PARTS FOR 5 TON , 3 TON O.H. CRANE AT GAS COMPRESSOR STATIONS	LOT	2	Spare parts for lifting cranes at gas compressor stations without which repairs cannot be started.
	INSTRUMENTS			
08-7-00-0053	REPLACEMENT OF OBSOLETE INSTRUMENTS & CONTROL SYSTEMS INCLUDING: - VIBRATION MONITORING SYSTEM WITH SENSORS & ACCESSORIES - ANTI SURGE CONTROL VALVE FOR AB8 COMPRESSOR STATION - CONTROL & MEASURING SYSTEMS AT COMPRESSOR STATIONS	 SET NOS. LOT	 15 1 2	Instrumentation replacements for compressor stations in NOC area.
	MECHANICAL			
08-7-00-0054	SPARE PARTS FOR SOLAR GAS TURBINES AND GAS COMPRESSORS	LOT.	1	Repair and maintenance to turbines and coolers at compressor stations in NOC area.
08-7-00-0055	REPAIR OF GAS TURBINE & GAS COMPRESSOR ROTORS FOR GAS COMP. STATIONS (SOLAR GAS TURBINES & MITSUBISHI GAS COMPRESSORS) ABROAD	SET	8	"
08-7-00-0056	SPARE PARTS FOR HITACHI GAS TURBINE AT GAS COMPRESSOR STATION	LOT.	1	"
08-7-00-0057	REPAIR OF SOLAR GAS TURBINE AT GAS COMPRESSOR STATIONS(AB-4 AND AB-5) ABROAD	SET	2	"
08-7-00-0058	LUB OIL COOLERS FOR GAS COMPRESSOR STATIONS(AB4, AB5 & AB7)	NOS.	3	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	INSTRUMENT			
08-7-00-0059	REPLACEMENT OF CONTROL SYSTEM FOR RUSTON GAS TURBINES AT K1 & K3 PUMPING STATIONS	SET	4	Replacement control systems for gas turbines at pumping stations K1 & K3
	MECHANICAL			
08-7-00-0060	REPAIR OF TWO SULZER GAS TURBINE ROTORS ABROAD	SET	2	Oversear repair contract for rotors of 2 gas turbines at K3.
08-7-00-0061	SPARE PARTS FOR G.E.C GAS TURBINE FOR K1 & K-3 PUMPING STATION FOR (8 SETS) OF TURBINES	LOT	8	Spare parts for GEC gas turbines at K1 & K3

LOCATION: POWER GENERATION PLANTS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ELECTRICAL			
08-7-00-0062	BOILER TUBES, SUPPER HEATER & HEAT EXCHANGER TUBES	SET	8	Replacements for power generation plant equipment
08-7-00-0063	ELECTRICAL FANS MOTORS & REDUCTION GEAR BOX FOR TWO COOLING TOWERS	SET	12	Cooling plant electrical spares for cooling towers.

MINISTRY OF OIL

ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREA
OIL FIELDS PRODUCTION MAINTENANCE & UPGRADING

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-04-0064	ACTIVITY NO. (04): KHURMALA DOME PRODUCTION, COMPRISSING:- FLOW/TRUNK LINES ,FITTINGS ,VALVES ,WELL HEAD EQUIPMENTS, MANIFOLDS ,INSTRUMENTS ...ETC.	WELL	14	Equipment for well maintenance and connection in Kirkuk region
08-7-05-0065	ACTIVITY NO. (05): GAS PRODUCTION FROM JAMBUR FIELD OF (200) MMSCFPD:-HIGH & LOW PRESSURE WATER BATH HEATER ,REDUCING PRESSURE EQUIPMENT, FLOW MEASURING SYSTEM ,FLOW LINES , FITTINGS ,VALVES ,PUMPS , ELEC. INSTRUMENT ...ETC	PLANT	1	Equipment & spares for repair and maintenance for gas production units at Jambur field
08-7-06-0066	ACTIVITY NO. (06): BABA WET CRUDE TREATMENT PLANT (250 TH. B/D), DEHYDRATORS & DESALTERS, EFFLUENT WATER TREATMENT, BALANCE VESSELS, TANKS, HEATERS, HEAT EXCHANGERS, PIPES, FITTINGS, VALVES, PUMPS, ELEC. & INSTRUMENTS...ETC	TRAIN	5	Equipment for wet crude treatment trains at Baba (no plant at present).
08-7-07-0067	ACTIVITY NO. (07): REHABILITATION OF AB-6 COMPRESSOR STATION(MECHANICAL, ELECTRICAL, INSTRUMENT)...ETC	LOT.	4	Equipment and spares for AB-6 compressor station whicb has been totally cannibalized.
08-7-00-0068	COMPLETION/ REHABILITATION OF SADDAM OIL FIELD (ELECTRICAL, MECHANICAL, INSTRUMENT) ...ETC	LOT.	4	Equipment and spares for repair and completion of surface installations in Saddam field.
08-7-08-0069	ACTIVITY NO. (08): JAMBOUR WET CRUDE OIL TREATMENT PLANT (10 TH B/D) DEHYDRATORS & DESALTERS UNIT ,EFFLUENT WATER TREATMENTS, BALANCE FESSELS, TANKS, WATER BATH HEATERS, HEAT EXCHANGERS , PIPES, FITTINGS, VALVES, PUMPS, ELECTRICAL INSTRUMENTS ...ETC	TRAIN	1	Equipment for wet crude treatment train at Jambour.
08-7-00-0070	REHABILITATION OF K3 STATION, COMPRISING: VALVES, FITTING, FLANGES...ETC	LOT.	5	Maintenance and repairs toK3 station.
08-7-09-0071	ACTIVITY NO. (09): PRODUCTION REQUIREMENTS FOR HAMRIN FIELD	LOT	10	Equipment for drilling extra wells at Hamrin field, if required.
08-7-00-0072	FLOATING ROOF TANKS 20000 M3 WITH ALL ACCESSORIES FOR OPERATIONAL FLEXIBILITY	NOS.	2	Equipment and material for building 2 * 20,000 cubic meter tanks in Kirkuk area.

MINISTRY OF OIL

ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: ALL AREAS

MATERIALS, EQUIPMENT FOR WORKSHOPS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ELECTRICAL			
08-7-00-0073	MATERIALS & EQUIPMENT FOR MOTORS REWINDING WORKSHOP	ITEM	50	Electrical materials and equipment for workshops
08-7-00-0074	MOBILE WORKSHOP INCLUDING ALL ACCESSORIES , EQUIPMENT, TOOLS, MEASURING TOOLS, DIESEL GENERATOR...ETC (ON TRUCK)	ITEM	2	"
08-7-00-0075	EQUIPMENT FOR OVER HEAD AND STREET LAMPS MAINTENANCE (ON TRUCK)	ITEM	2	Specialized equipment for repair and maintenance of street lighting
	PLANT SURVEY			
08-7-00-0076	MOBILE WORKSHOP CUSTOMIZED FOR PLANT SURVEY CONTAINING X- RAY UNIT ,DEVELOPING UNIT , DIESEL GENERATOR & ACCESSORIES) ON TRACK)	SET	1	Mechanical spares and equipment for site survey equipment
08-7-00-0077	PLANT SURVEY EQUIPMENT & CONSUMABLES	SET	35	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: ALL AREAS

MATERIALS, EQUIPMENT FOR WORKSHOPS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	MECHANICAL			
08-7-00-0078	VARIOUS APPARATUS & EQUIPMENT SUCH AS LEAK DETEC. / CHARGING TOOLS. VACUUM PUMP, ACID PUMPS ...ETC	NOS.	40	Replacement equipment for obsolete items.
08-7-00-0079	VARIOUS MACHINES TO REPLACE OBSOLETE ONES SUCH AS:- - AUTOMATIC CUTTING - ELECTRICAL WELDING - ELECTRICAL PLATE BENDING ROLLS - HYDRAULIC PIPE BENDING - ELECTRICAL DRILL - AIR HYDRO POWER UNIT (FOR TESTING) - HYDRAULIC PRESS - RECIPROCATING TESTING PUMPS(FOR PIPING TESTING) - DIFFERENT ELECTRICAL FURNACES	NOS.	20	Material and equipment requirements for workshops for repair and maintenance site plants.
08-7-00-0080	VARIOUS TOOLS FOR GENERAL MAINTENANCE AND REPAIR SUCH AS :- (EXTRACTORS, DRILLS, DICES, CUTTERS , CRUCIBLE ...ETC) AND SPARES FOR SERVICE GRINDING MACHINE	LOT	10	"
08-7-00-0081	MOBILE WORKSHOP INCLUDING ALL ACCESSORIES ,EQUIPMENT,TOOLS, MEASURING EQUIPMENT & TOOLS, ELECTRIC WELDING, MACHINE DIESEL GENERATOR...ETC (ON TRUCK) TWO TO BE CUSTOMIZED FOR MECHANICAL MAINTENANCE, THE OTHER FOR COMMUNICATIONS AND ONE FOR CONTROL MAINTENACE	SET	4	"
08-7-00-0082	REHABILITATION OF EXISTING SCHANK BALANCING MACHINE	LOT.	1	"
08-7-00-0083	OXYGEN PLANT WITH OUTPUT CAPACITY OF 50 KG/HR OF LIQUID OXYGEN COMPLETE WITH FILLING RING.	PLANT	1	"

MINISTRY OF OIL

ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: ALL AREAS

FLOW LINES, WELL HEAD ACCESSORIES FOR CONNECTING 46 OIL WELLS

ACTIVITY NO. (10):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-10-0084	FLOW LINES, WELL HEAD ACCESSORIES FOR CONNECTING OF OIL WELLS	WELLS	46	Equipment and accessories for connection of 46 wells in North area.

LOCATION: EAST BAGHDAD AREA

SUPPLY OF FUEL TO ELECTRICITY GENERATING PLANTS FROM EAST BAGHDAD STATION

ACTIVITY NO. (11):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-11-0085	LINE PIPES WITH FITTING AND WRAPPING MATERIALS AND VALVES	ITEM	55	Equipment to enable fuel delivery to power station at East Baghdad.
08-7-11-0086	10000 M3 FLOATING ROOF CRUDE OIL TANK COMPLETE WITH ACCESSORIES	SET	1	Third storage tank, for blending, for more efficent fuel supply.
08-7-11-0087	CRUDE OIL ELECTRIC DRIVEN PUMPS WITH SPARE PARTS	SET	4	Equipment to enable fuel delivery to power station at East Baghdad.
08-7-11-0088	CRUDE OIL /DRY GAS METERING AND DEPRESSURIZATION STATIONS WITH SPARE PARTS	SET	4	"
08-7-11-0089	PROCESS CONTROL AND INSTRUMENTATIONS	SET	2	"
08-7-11-0090	ELECTRICAL EQUIPMENT AND CABLES	LOT	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS
GENERAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ELECTRICAL:-			
08-7-00-0091	WATER IMMERSION HEATERS (VARIOUS TYPES)	NOS.	3000	Commercial and domestic water heating requirements.
08-7-00-0092	SUPPLY OF LAMPS (VARIOUS TYPES)	NOS.	15000	Commercial and domestic lighting requirements.
	INSTRUMENTS:-			
08-7-00-0093	CONTROL & MEASURING INSTRUMENTS FOR ALL NOC INDUSTRIAL LOCATIONS INCLUDING TRANSMITTERS, RECORDERS ,CONTROLLERS ,TRANSDUCERS ,PRESSURE SWITCHES ,PRESSURE & TEMPERATURE GAUGES ...ETC	LOT	1	Instrumentation replacements for control and measurement purposes.
	MECHANICAL :-			
08-7-00-0094	PIPES FOR GENERAL MAINTENANCE AND REPAIR SIZES (2,3,4,6,8,10,12) INCH.	LOT	7	Equipment and spares for repair and maintenance.
08-7-00-0095	PIPE FLANGES AND FITTINGS FOR GENERAL MAINTENANCE AND REPAIR CLASSES (150/300/600) SIZES (FROM 2 UP TO 32) INCH.	LOT	90	"
08-7-00-0096	VALVES FOR GENERAL MAINTENANCE AND REPAIR CLASSES(150/300/600) (1/4 UP TO 24)INCH.	LOT	44	"
08-7-00-0097	STUD BOLTS WITH NUTS & WASHERS FOR GENERAL MAINTENANCE AND REPAIR FORM (5/8 -2)INCH	LOT	24	"
08-7-00-0098	FERROUS MATERIALS FOR GENERAL MAINTENANCE AND REPAIR (STEEL SOLID RODS , CARBON STEEL PLATES , ANGLEIRON, CHANNELS ...ETC)	LOT	5	"
08-7-00-0099	EQUIPMENT & SPARES FOR INDUSTRIAL & HOSPITAL AREAS AIR CONDITIONING SYSTEMS INCLUDING :- - SPARES , PUMPS , COILS , FILTERS ...ETC - HOT WATER BOILERS FIRED WITH CRUDE OIL 733 KW - PACKAGED AIR CONDITIONING UNITS .(5,10,20)TONS - WATER CHILLING UNIT 350 AND 150 TONS - ELECTRICAL MOTORS FOR EVAPORATION COOLERS (3/4 - 1)HP.	LOT NOS. NOS. NOS. NOS.	100 5 30 3 1000	Air conditioning spares and equipment for hospital and industrial uses.

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS
TELE COMMUNICATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	EXCHANGES AND TELEPHONE NETWORKS			
08-7-00-0100	ELECTRONIC PABX 200 EXTENSION WITH ALL ACCESSORIES FOR AIN_ZALAH, JAMBOUR SOUTH AND K/2 STATIONS.(REPLACING OBSOLETE PABXES)	SET	3	Replacement communications equipment for control and management of all areas in North region
08-7-00-0101	ELECTRONIC PABX 500 EXTENSION WITH ALL ACCESSORIES(REPLACING OBSOLETE PABX IN K/3 ST.)	SET	1	"
08-7-00-0102	ARMORED TELEPHONE CABLE 300 PAIRS (0.8 mm) WITH SPLICES AND ACCESSORIES (TO REPLACE 50 YEAR OLD CABLES FROM BABA TO ARRAPHA AND K1)	KM	20	"
08-7-00-0103	DIGITAL PAIR GAIN UNITS(FOR EXTENDING TELEPHONE SERVICE IN AREAS WITH LIMITED NETWORK)	NOS.	100	"
08-7-00-0104	DIGITAL CABLE FAULT LOCATOR	SET	1	"
	PIPELINES & DRILLING TELECOMMUNICATION SYSTEMS			
08-7-00-0105	SPARE PARTS FOR TELECOM EQUIPMENT IN ITP	LOT	1	Spares and equipment for communication requirements of drilling and pipeline, including ITP, operations.
08-7-00-0106	SET OF Ni-Cd BATTERIES 48 VDC 350 A.H & 750 A .H FOR WESTERN PIPE-LINE TELECOM SYSTEM	SET	16	"
08-7-00-0107	TELECOM LINKS FOR DRILLING, SINGLE CHANNEL RADIO LINK WITH ALL ACCESSORIES FOR EXPANDED DRILLING OPERATIONS	NOS.	15	"
08-7-00-0108	AIR-CONDITIONED CONTAINER FOR HOUSING DRILLING TELECOM EQUIPMENT	NOS.	10	"
08-7-00-0109	PORTABLE MAST (100) FT HIGH TO CARRY ANTENNAS OF RADIO EQUIPMENT	NOS.	10	"
08-7-00-0110	PASSIVE COOLING CONTAINER FOR HOUSING RADIO EQUIPMENT IN INJANA AND NAFTZHANA AREA	SET	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: ALL NOC FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0111	RAPID INTERVENTION FIRE FIGHTING TRUCK WITH RECOMMENDED SPARE PARTS.	NOS.	4	Safety and fire-fighting equipment and consumables
08-7-00-0112	FIRE FIGHTING EXTINGUISHERS WITH RECOMMENDED SPARE PARTS (TYPE : CO2, POWDER & FOOM)	NOS.	1300	"
08-7-00-0113	CO2 REFILLING MACHINE WITH RECOMMENDED SPARE PARTS	NOS.	2	"
08-7-00-0114	SPARE PARTS FOR BREATHING APPARATUS TYPE S.A.V.E.R MODEL C 8600 (VALVES, SEATS, GAUGES, HOSES, BAGS, SPANNER...ETC)	NOS.	2000	"
08-7-00-0115	FIREMAN WEAR (COVER ALL)	NOS.	1000	"
08-7-00-0116	FIRE BRIGADE SAFETY BOOTS	PAIR	500	"

LOCATION: ALL NOC FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0117	SPARE PARTS FOR ROSENBUER UNIVERSAL FIRE FIGHTING TRUCK TYPE ULF 7000/1000 UK ON MB LK 2624/40-CHASSIS No. 343003-14-903252:- (IMPELLER, DIFFUSER, THROTTLE CONTROL AND CABLES, CYLINDERS, VALVES AND ACCESSORIES, BEACON, HORM...ETC)	NOS.	800	Safety and firefighting equipment and spares
08-7-00-0118	REPLACEMENT OF HALON 1211 USED FOR FIRE FIGHTING SYSTEM OF FLOATING ROOF TANKS:-			Fire fighting consumables and equipment
	- OUTDOOR F.F. GAS	KG	660	"
	- NOZZLES	NOS.	660	"
	- CONTAINER	NOS.	33	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: EAST BAGHDAD FIELD
VARIOUS EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0119	STARTING MOTOR COMPLETE UNIT FOR FIRE FIGHTING DIESEL ENGINE PUMP	NOS.	1	Fire fighting equipment
08-7-00-0120	SPARE PARTS FOR CONTROL VALVE (DIAPHRAGMS...ETC.)	NOS.	10	Equipment and spares for repair requirements in East Baghdad field
08-7-00-0121	SPARE PARTS FOR PLC, MODEL GEM 80, TYPE 353 (DRIVER, POWER SUPPLY, BATTRES...ETC.)	NOS.	20	"
08-7-00-0122	SPARE PARTS FOR MICROPROSSOR CONTROL UNIT (SERIES 3 C P D)	NOS.	20	"
08-7-00-0123	SPARE PARTS FOR 11 KV S.G BOARD, TYPE. YMV 2/x24/QM20 VACCUM S.G 630 A	NOS.	10	"
08-7-00-0124	SPARES FOR AMERADA DOWN HOLE GAUGE (RPG-3)	NOS.	16	"
08-7-00-0125	SPARES FOR CENTRIFUGAL COMPRESSOR MODEL MGG – 433 (SEAL REPAIR KIT, O-RING ...ETC.)	SET	4	"
08-7-00-0126	SPARE PARTS FOR CONTROL SYSTEM (POWER SUPPLIES, BATTERIES, CARDS ...ETC.)	NOS.	100	"
08-7-00-0127	FLAPPER AND NOZZLE KIT FOR CONTROLLERS TYPE CAMPO SERIES	NOS.	1	"
08-7-00-0128	MECHANICAL OPENER FOR 3" VALVE OF HYDRAULIC ACTUATORS MODEL (C)	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: NOC FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0129	HYDRAULIC TEST PUMP DRIVEN BY ELECTRIC MOTOR, DISCHARGE PRESSURE UP TO 5000 PSI WITH ALL REQUIRED FITTINGS AND FLEXIBLE HOSES OF 3/4 " SIZE & LENGTH OF 40 M. WITH SPARE PARTS.	NOS.	2	Hydraulic testing pumps for North region to test lines etc for tightness.

LOCATION: AIN ZALAH / SUFYA FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0130	SPARE PARTS FOR CONTROL ROOM :- (PROCESS CONTROLLERS, INDICATORS, VARIOUS CARDS, INSTRUMENTS, POWER UNITS, LAMPS ...ETC.)	NOS.	300	Electrical and mechanical spares for Ain Zulah and Sufya fields.
08-7-00-0131	SPARE PARTS FOR FLOW TANK TK-102 A/B AND TEST TANK TK – 101:-(SWITCHES, TRANSMITTERS, INDICATORS ...ETC.)	NOS.	20	"
08-7-00-0132	SPARE PARTS FOR SEPARATOR & DEHYDRATOR S101/S102 :- (COUNTERS, TRANSMITTERS ...ETC)	NOS.	12	"
08-7-00-0133	SPARE PARTS FOR WATER SOFTENING UNIT(W201) :- (DISTRIBUTORS, METERS, DIAPHRAMS ...ETC)	NOS.	20	"
08-7-00-0134	SPARES FOR WATER PUMPING STATION :- (PUMPS, CIRCUIT BREAKERS, PROTECTION UNIT ...ETC.)	NOS.	5	"
08-7-00-0135	SPARE PARTS FOR REDA ELECT. SUBMERSIBLE :- (SWITCHBOARDS, PUMPS ...ETC.)	NOS.	3	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ITP / LINE

SHEET NO.: 18 OF 23

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0136	SPARE PARTS FOR HEAVY DUTY DIESEL GENERATOR ENGINE TYPE - BF 12 M 176 :- (WATER PUMP SEALS ...ETC)	NOS.	15	Assorted spare parts for use on ITP pipeline system
08-7-00-0137	SPARE PARTS FOR AUXILIARY LUB OIL PUMP INSTALLED ON MAIN PUMP ZMI 480/08 & 480/09 :- (LUB. PUMP , SEALS , GEARS, BEARINGS...ETC)	NOS.	15	"
08-7-00-0138	SPARE PARTS FOR SLOP PUMP TYPE (PWZV 32-200) :- (SEALS BEARINGS ...ETC)	NOS.	15	"
08-7-00-0139	SPARE PARTS FOR DETROIT DIESEL ENGINE TYPE 08 VF:- (FILTERS, PUMPS, CYLINDER, BEARING, RINGS ...ETC.)	NOS. SET	16 2	"
08-7-00-0140	PARE PARTS BEVEL GEAR BOX TYPE IB7 RATIOR 6:1 & IB5 RATIO 4:1 :- (BEARINGS, WASHERS, GEARS, PINIONS, BUSHES ... ETC)	NOS.	150	"
08-7-00-0141	SPARE PARTS FOR PERKINS DIESEL ENG. GEN. TYPE : 46215 (OVERHAUL KIT, FILTERS, BELTS, THERMOSTAT, INJECTORS, PUMPS, CYLINDER RINGS, BEARINGS ... ETC)	NOS. SET KIT	40 10 2	"
08-7-00-0142	SPARE PARTS FOR MWM DIESEL FIRE ENG TYPE TBD 234 V 12 :- (OVERHAUL KIT, FILTERS, BELTS, THERMOSTAT, INJECTORS, PUMPS, CYLINDER RINGS, BEARINGS ... ETC)	NOS. SET	55 10	"
08-7-00-0143	AIR COMPRESSOR ,COMPLETE UNIT FOR STARTING FIRE DIESEL ENGINE MWM WITH SPARES	SET	2	"
08-7-00-0144	MECHANICAL SEAL FOR FIRE JOCKEY PUMP	NOS.	2	"
08-7-00-0145	GEAR BOX ,COMPLETE UNIT, INSTALLED ON GROVE BALL VALVE	NOS.	4	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: K-3 PUMPING STATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0146	GEAR BOX TYPE 1000 ,COMPLETE UNIT FOR COOLING TOWER SERIES 8600	NOS.	1	Spares and equipment for repair and maintenance of K3 pumping station
08-7-00-0147	SPARE PARTS FOR MATHER AND PLAT PUMP (6"x7"):- (IMPELLERS, SLEEVES, VALVES, BUSHES, RINGS ... ETC)	NOS.	30	"
08-7-00-0148	SPARE PARTS FOR MATHER AND PLAT PUMP(4"x6"):- IMPELLERS, SLEEVES, VALVES, BUSHES, RINGS ... ETC)	NOS.	16	"
08-7-00-0149	AUDCO PLUG VALVE 12" x 600 & AUDCO VALVE STICK LUBRICANTS (A, B, C, D, E, F, G)	NOS. TINS	4 400	"
08-7-00-0150	SPARE PARTS FOR BROOM & WADE AIR COMPRESSOR :- (VALVES, GUIDES, SPRINGS, O-RINGS, LANTERNS ... ETC)	NOS.	80	"
08-7-00-0151	SPARE PARTS FOR MEDIVAN CENTRIFUGAL PUMP:- (THRUST PADS, GLANDS, RINGS, BUSHES ...ETC)	NOS. SET	120 12	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY

LOCATION: K-3 AND T.1 PUMPING STATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0152	12 " RUBBER TUBE FOR GROVE FLEXFLO RELIEFE VALVE	NOS.	3	General maintenance and repair requirements.
08-7-00-0153	JOHN CRANE MECHANICAL SEAL COMPLETE UNIT FOR PLANTY PUMP W 80 x 45	NOS.	100	"
08-7-00-0154	LOADING RUBBER REINFORCED HOSE WITH COUPLING	NOS.	200	"
08-7-00-0155	SPARES FOR CARRIER AIR CONDITIONING UNIT FOR CONTROL ROOM:-(COMPRESSORS, TRANSFORMER, CONTRACTOR, FAN MOTORS, THERMOSTAT, CONTROL SWITCHES ...ETC.)	NOS.	65	Spares for air conditioning at K3/T1 pumping stations

LOCATION: T.1 PUMPING STATION

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0156	SPARE PARTS FOR KSB PUMP WKF 100/10 :- (COMPLETE BEARING, HOUSING & RESERVOIR, IMPELLER, SHAFT, DIFFUSER, SLEEVE, RINGS, BUSHES, CIRCELIPS...ETC.)	NOS. SET	80 15	General mechanical spares for pumping station.
08-7-00-0157	SPARE PARTS FOR 20"/20" CSBH MEDIVAN CENT. OIL PUMP :- (SEALS SEPARATOR THRUST PADS, SLEEVES, RINGS ...ETC)	NOS.	12	"
08-7-00-0158	SPARE PARTS FOR BROOM & WADE AIR COMPRESSOR TYPE BWZD:-(VALVES, WATER PUMPS, COUBLINGS, RINGS, BELTS ...ETC.)	NOS.	60	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0159	MOBILE CRANES: 10 – 150 TONS	NOS.	20	Heavy equipment and transport for use throughout North area
08-7-00-0160	FORKLIFTS: 3– 10 TONS	NOS.	15	"
08-7-00-0161	SIDE BOOMS	NOS.	10	"
08-7-00-0162	BULLDOZERS & GADERS	NOS.	12	"
08-7-00-0163	DUMPER.	NOS.	10	"
08-7-00-0164	MOBILE AIR COMPRESSOR.	NOS.	10	"
08-7-00-0165	WELDING MACHINE.	NOS.	20	"
08-7-00-0166	WHEEL & BACKHOE LOADERS & EXCAVATOR(WHEEL & CRAWLER)	NOS.	15	"
08-7-00-0167	ROLLER (TYRES STEEL)	NOS.	4	"
08-7-00-0168	MOBILE PLATFORM.	NOS.	4	"
08-7-00-0169	TIP TRUCK.	NOS.	10	"
08-7-00-0170	LORRY WITH CRANE OF 2 TON.	NOS.	6	"
08-7-00-0171	MOBILE WORKSHOP (MECHANICAL).	NOS.	4	"
08-7-00-0172	FUEL & WATER TANK TRUCK 12000 LTR.	NOS.	10	"
08-7-00-0173	CARGO TRUCKS 8-10 TON.	NOS.	10	"
08-7-00-0174	CESSPIT EMPTIER. 7-8 M^3.	NOS.	4	"
08-7-00-0175	GARBAGE CAR	NOS.	6	"
08-7-00-0176	RECOVERY VEHICLE 6x4 & 4x2	NOS.	10	"
08-7-00-0177	TRACTOR 4x2 WITH SEMI-LOADER+ TRACTOR 6x4.	NOS.	26	"
08-7-00-0178	PIPES CARRIER COMP. WITH TRACTOR 4x2 KINGPIN 2.5``.	NOS.	3	"
08-7-00-0179	CEMENT TRANSPORTER VEHICLE WITH TRACTOR 6x4.	NOS.	10	"
08-7-00-0180	CEMENT MIXER 6-7 M^3.	NOS.	4	"
08-7-00-0181	REFRIGERATOR 2 TON	NOS.	2	"
08-7-00-0182	BUS (12), (25) &(45) SEATERS.	NOS.	136	"
08-7-00-0183	PICK-UP DOUBLE CABIN & STATION WAGON.	NOS.	125	"
08-7-00-0184	HYDRAULIC PRESS 60 TON CAP.	NOS.	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0185	TWO STAGE AIR COMPRESSOR 7.5 KW.	NOS.	8	General spare parts and equipment for repair and maintenance in North area.
08-7-00-0186	LATHE MACHINE 76 & 100 MM.	NOS.	2	"
08-7-00-0187	LUBRICATING UNIT	NOS.	2	"
08-7-00-0188	PALLET TRUCK ELECTRIC POWERED 2T. CAP.	NOS.	3	"
08-7-00-0189	FORKLIFT TRUCK ELECTRIC POWERED 1.25 T. CAP.	NOS.	6	"
08-7-00-0190	TRAILER, LOAD CAP. 2T. FOR STORES USE.	NOS.	30	"
08-7-00-0191	ELECTRIC PLATFORM TRUCK.	NOS.	1	"
08-7-00-0192	PALLET TRUCK CAP. 2T.	NOS.	15	"
08-7-00-0193	PETROL & GAS OIL PUMP.	NOS.	16	"
08-7-00-0194	CYLINDERS FOR OXYGEN & ACETYENE GAS.	NOS.	600	"
08-7-00-0195	PALLET TRUCK 0.8 T. CAP.	NOS.	2	"
08-7-00-0196	BALANCING MACHINE FOR VEHICLES.	NOS.	1	"
08-7-00-0197	JACK TROLLEIES(5& 10 TONS)	NOS.	15	"
08-7-00-0198	TYRES VARIOUS SIZES.	NOS.	2000	"
08-7-00-0199	SPARE PARTS FOR FIRE FIGHTING.	LOT	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH OIL COMPANY
LOCATION: ALL AREAS

SHEET NO.: 23 OF 23

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0200	EQUIPMENT FOR THE REHABILITATION OF NOC PRINTING PRESS, COMPLETE WITH SPARES & ACCESSORIES	LOT	1	Press for preparing technical paperwork for management of area.
08-7-00-0201	EQUIPMENT FOR COMMISSARIAT FACILITIES(ELECTRIC RANGES & ACCESSORIES, KITCHEN EQUIPMENT, BOILER FOR LAUNDRY....ETC	LOT	5	Equipment for staff facilities

LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0202	MATERIALS REQUIRED FOR THE MAINTENANCE & REVAMPING OF PROCESS TANKS AND VESSELS CONSISTING OF:-			Materials for repair and maintenance of process tanks and cylinders in all North areas.
	- C.S. PLATE A. 516 GR 70	TON	4230	"
	- C.S. PLATE A. 283 GRC	TON	3154	"
	- S.S. PLATE TP. 304 L	TON	144	"
	- C.S. PLATE A. 515 GR 70	TON	612	"
	- C.S. PIPE A – 106 GRB(1/2" – 20")	MTR.	7320	"
	- S.S. TUBE A – 132 TOANGE TP 304(1/4" – 3/4")	MTR.	684000	"
	- F.S. FLANGE A – 105(1/2" – 20")	NOS.	2160	"
	- F.S. BLIND FLANGE A – 105(1/2" – 20")	NOS.	1000	"
	- A.S. BOLT A – 139 GR B7(1/4" – 3/8")	NOS.	36080	"
	- A.S NUT A-194 GR 2H (1/4"-3/8")	NOS.	55480	
	- C.A.F. &SILID FLAT METAL S.S. & FLAT METAL, IRON GASKET, DIF. SIZES	NOS.	340	"
	- R-B HEAT RESISTANT TEFLON SIZE (5X1000) mm.	NOS.	1200	
	- AWS E7018 WELDING ELECTRODE & WELDING WIRE & FLUX.	NOS.	720	
	- S.S. & C.S. ANGLE, CHANNEL, ROUND, L-SECTION.	MTR.	16700	

MINISTRY OF OIL
SHEET NO.: 1 OF 43
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS
DRILLING, COMPLETION & WORKOVER OPERATION
ACTIVITY NO (20):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-20-0250	CASING AND TUBING	MTR.	500000	Equipment for drilling, completion and workover of wells in South region, in particular N & S Rumailah, Zubair and Luhais.
08-7-20-0251	CASING ACCESSORIES	ITEM	250	"
08-7-20-0252	DRILLING BITS AND NOZZLES	NOS.	250	"
08-7-20-0253	DRILLING FLUID MATERIALS & CEMENT ADDITIVES	ITEM	40	"
08-7-20-0254	AIR COMPRESSORS FOR OIL WELL CEMENTING	NOS.	10	"
08-7-20-0255	AGITATORS FOR OIL WELL CEMENTING	NOS.	20	"
08-7-20-0256	WELL-HEAD ACCESSORIES FOR SUBMERSIBLE PUMPS	ITEM	50	"
08-7-20-0257	TOOLS AND EQUIPMENT FOR MAINTENANCE WORK SHOP	ITEM	100	"
08-7-20-0258	EQUIPMENT, MATERIALS & ACCESSORIES INSTRUMENTS FOR CENTRAL & GEOLOGICAL LABORATORIES	ITEM	400	"
08-7-20-0259	GATE VALVES AND ACCESSORIES	ITEM	100	"
08-7-20-0260	PERFORATION ACCESSORIES	ITEM	100	"
08-7-20-0261	MAST TRUCK	NOS.	2	"
08-7-20-0262	WIRE LINE TRUCK WITH CRANE	NOS.	4	"
08-7-20-0263	MULTIPHASE FLOW METER AND ACCESSORIES	SET	2	"
08-7-20-0264	MOBILE VACUUM LOADER FOR DISLODGING OF WASTE OIL (VACALL) WITH ACCESSORIES & SPARES	NOS.	2	"
08-7-20-0265	CHIKSANS PIPING AND ACCESSORIES	ITEM	50	"
08-7-20-0266	BOTTOM-HOLE PRESSURE & TEMPERATURE RECORDERS (AMERADA & RT-7) & FLUID SAMPLERS WITH ACCESSORIES	ITEM	200	"
08-7-20-0267	DOWN HOLE SCREEN FOR SAND CONTROL IN WELLS	NOS.	4	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: ALL FIELDS

DRILLING, COMPLETION & WORKOVER OPERATIONS

ACTIVITY NO (21):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-21-0268	SLICK-LINE WIRES OF DIFFERENT DELIMITERS.	REEL.	100	"
08-7-21-0269	SIMULATION SOFTWARE FOR RESERVOIR MANAGEMENT.	ITEM	10	Reservoir management improvement
08-7-21-0270	SERVICE CONTRACT (TURNKEY) FOR DRILLING & COMPLETION OF 90 WELLS IN NORTH & SOUTH RUMAILAH, LUHIS & ZUBEIR FIELDS.	WELL	100	External contract for drilling 90 wells in region.
08-7-21-0271	SERVICE CONTRACT TO REPAIR (250) GATE VALVES.	NOS.	250	Seervice contract for valve repairs
08-7-21-0272	RE-INTERY AND HORIZONTAL DRILLING TO IMPROVE WELL PRODUCTIVITY (TURN-KEY).	WELL	4	External contract for drilling horizontal wells to improve recovery
08-7-21-0273	SERVICE CONTRACT TO PERFORM COMPATIBILITY STUDIES FOR WATER INJECTION	CONTRACT	1	External contract
08-7-21-0274	EQUIPMENT & ACCESSORIES FOR CENTRAL LABORATORY.	ITEM	100	Items required for central testing facility
08-7-21-0275	OPEN & CASED HOLE LOGGING CONTRACT.	CONTRACT	2	Contract for hole logging
08-7-21-0276	OIL WELL LOGGING UNIT	UNIT	2	*Logging Unit*
08-7-21-0277	OIL WELL LOGGING TOOLS	SET	2	Logging tools

LOCATION: ALL AREAS

SPARE PARTS FOR MAINTENANCE OPERATION

ACTIVITY NO (22):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-22-0278	SPARE PARTS FOR LABORATORY APPARATUS.	ITEM	100	Reagents and spares for laboratory operations
08-7-22-0279	SPARE PARTS FOR LOGGING TRUCKS.	ITEM	50	Spares and equipment for maintenance & repair
08-7-22-0280	SPARE PARTS FOR CEMENTING AND ACIDIZING PUMPING UNITS	ITEM	400	"
08-7-22-0281	SPARE PARTS FOR WATER INJECTION PUMPING UNITS.	ITEM	300	"
08-7-22-0282	SPARE PARTS FOR LOGGING TOOLS & SYSTEMS	ITEM	200	"

MINISTRY OF OIL
SHEET NO.: 3 OF 43
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS
DEGASSING STATIONS, OIL STORAGE DEPOTS,
TANK FARMS & PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0283	MOBILE STEAM GENERATOR WITH SPARE AND ACCESSORIES	SET	2	Spares and equipment for maintenance and repairs.
08-7-00-0284	MAINTENANCE EQUIPMENT & ACCESSORIES	ITEM	100	"
08-7-00-0285	SUBMERSIBLE PUMPS	ITEM	25	"
08-7-00-0286	PIPE FITTINGS & GASKETS	ITEM	600	"
08-7-00-0287	SAFETY VALVES FOR VESSELS & TANKS	NOS.	250	"
08-7-00-0288	VALVES WITH SPARE PARTS	ITEM	150	"
08-7-00-0289	PIG LAUNCHING & RECEIVING TRAPS TO BE INSTALLED ON THE NATURAL GAS PIPE LINE FROM SOUTH RUMAILA FIELD TO SLUDGE CATCHER IN KOR AL-ZUBAIR	NOS.	2	Replacements for damaged pig traps on gas pipeline.
08-7-00-0290	SPARE PARTS FOR GAS TURBINE TYPE: MS 1002B	ITEM	2000	Spares for turbines on Basrah-Haditha pipeline.
08-7-00-0291	NICKEL CADMIUM BATTERIES	NOS.	750	Spares and equipment for maintenance and repairs.
08-7-00-0292	SPARE PARTS FOR MOTOR CONTROL CENTERS).	NOS.	50	"
08-7-00-0293	SPARE PARTS TO OVER-HAUL SOLAR GAS TURBINE GENERATOR GSC 1200: EACH SET CONSIST OF 250 ITEMS	SET	4	"
08-7-00-0294	SPARE PARTS FOR SOLAR GAS TURBINE GENERATOR SET GSC 1200-SATURN-800KW	NOS.	100	"
08-7-00-0295	SPARE PARTS FOR BATTERY CHARGER & DC PANEL	NOS.	500	"
08-7-00-0296	SPARE PARTS FOR ELECTRIC SET ENGINE TYPE D232 V8	NOS.	10	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS
DEGASSING STATIONS, OIL STORAGE DEPOTS,
TANK FARMS & PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0297	FIRE FIGHTING TRUCK (FOAM) WITH SPARE PARTS.	NOS.	3	Fire fighting equipment and consumables.
08-7-00-0298	RAPID INTERVENTION FIRE VEHICLE WITH SPAR PARTS.	NOS.	2	"
08-7-00-0299	CO2 GENERATORS & FILLING EQUIPMENT	SET	4	"
08-7-00-0300	ANTI-POLLUTION BOOMS & SKIMMERS WITH SPARES.	ITEM	4	"
08-7-00-0301	FOAM GENERATOR & PORTABLE EXTINGUISHER	ITEM	4	"
08-7-00-0302	PORTABLE GAS DETECTORS (H2S-FLAMMABLE-02)	NOS.	50	"
08-7-00-0303	RESPIRATORY EQUIPMENT	ITEM	8	"
08-7-00-0304	PERSONAL SAFETY DRESSING	ITEM	6	"
08-7-00-0305	LANDING VALVES & HOSES	NOS.	600	"
08-7-00-0306	TRI ETHYLENE GLYGOL (TEG)	TON	500	Gas dehydration consumable
08-7-00-0307	WATER TREATMENT CHEMICALS	TON	500	Consumables and testing equipment for water injection treatment
08-7-00-0308	LAB CHEMICALS FOR WATER INJECTION	ITEM	100	"
08-7-00-0309	CHEMICAL TESTING APPARATUS FOR WATER INJECTION	ITEM	100	"
08-7-00-0310	WELL POTENTIAL TESTING SKIDS	SET	6	Spares and equipment for maintenance and repairs.
08-7-00-0311	WELL HEAD EQUIPMENT FOR (H2S) SERVICE	ITEM	100	"
08-7-00-0312	WATER INJECTION WELL HEAD EQUIPMENT	ITEM	100	"
08-7-00-0313	SAND SUCKER MOBILE TRUCK WITH SPARE PARTS AND ACCESSORIES	SET	2	"

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ZUBAIR, NORTH & SOUTH RUMAILA
MAINTENANCE OF PRODUCTION STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0314	PUMPS & SPARE PARTS FOR DESALTER SALTY WATER PUMPS	ITEM	44	Repair and maintenance of water pumps
08-7-00-0315	PUMPS & SPARE PARTS FOR DESALTER FRESH WATER PUMPS	ITEM	34	"
08-7-00-0316	COMPLETE MATHER & PLATT CENTRIFUGAL PUMP WITH SKID, INSTRUMENTS, FOUNDATION BLOTS & ALL OTHER ACCESSORIES & SPARE PARTS SERVICE / CRUDE OIL	ITEM	4	Replacement pump for Qurainat.
08-7-00-0317	SPARE PARTS FOR RUSTING GAS TURBINES TA-1750	ITEM	130	Spares for S Rumailah
08-7-00-0318	SPARE PARTS FOR BYRON AND JACKSON VERTICAL CENTRIFUGAL PUMPS	ITEM	20	Spares for S Rumailah
08-7-00-0319	PUMPS & SPARE PARTS FOR FIRE FIGHTING PUMPS USSR	ITEM	36	Spares for N Rumailah
08-7-00-0320	AIR FILTERS FOR SOLAR CENTAUR TURBO GENERATORS MODEL GC1-CB-ID	ITEM	4	"
08-7-00-0321	SPARE PARTS FOR CENTAUR TURBINE – GENERATORS MODEL GC1-CB-ID	ITEM	42	"
08-7-00-0322	PUMPS & SPARE PARTS FOR WATER JOCKEY PUMPS	ITEM	16	"
08-7-00-0323	PUMPS & SPARE PARTS FOR CENTRIFUGAL PUMPS	ITEM	65	Spares for desalting pumps
08-7-00-0324	PUMPS & SPARE PARTS FOR FIRE FIGHTING PUMPS	ITEM	22	Spares for N Rumailah
08-7-00-0325	PUMPS & SPARE PARTS FOR S.P.P. FIRE WATER PUMPS	ITEM	30	"
08-7-00-0326	SPARE PARTS FOR AIR COMPRESSOR BROOM WADE MODEL: V 150 DA	ITEM	48	"
08-7-00-0327	SPARE PARTS FOR BROOM & WADE COMPRESSORS TYPE: V 200 DA	ITEM	120	"
08-7-00-0328	SKID MOUNTED HORIZONTAL CENTRIFUGAL PUMP C/W ELECT. MOTOR TO BE USED FOR PUMPING SALT WATER WITH 250 GR/LITRE SALT CONTENT (SPECIFIC GRAVITY 1.15) AND SPARE PARTS	ITEM	4	New pumps for control of effluent water at N & S Rumailah
08-7-00-0329	SKID MOUNTED HEAVY DUTY OIL FREE AIR COMPRESSORS (12 NOS.)	ITEM	1	Requirement for South area.

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NORTH & SOUTH RUMAILA
(GAS COMPRESSION STATIONS)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0330	HEAT EXCHANGER & SPARE PARTS FOR HEAT EXCHANGER AIR COOLED GAS COOLERS S/N 48621 ITEM NO. 2204 EA3	ITEM	20	Equipment and spares for gas compressor stations in N & S Rumailah
08-7-00-0331	COOLERS & SPARE PARTS FOR AIR COOLED NATURAL GAS COOLERS ITEM NO. E-611, E-811	ITEM	110	"
08-7-00-0332	PUMPS & SPARE PARTS FOR GLYCOL TRANSFER PUMPS PUMPS SIZE & TYPE : 1 ½ X 2 X 9 VCM CAPACITY : 4 M^3/H	ITEM	30	"
08-7-00-0333	COOLERS & SPARE PARTS FOR GAZ COOLERS USED IN SOLAR CENTAUR TURBO COMPRESSORS MODEL: CS 4000	ITEM	6	"
08-7-00-0334	SPARE PARTS FOR CENTRIFUGAL COMPRESSORS	ITEM	50	"
08-7-00-0335	SPARE PARTS FOR NOUVO PIGNONE GAS TURBINES MS 1002B.	ITEM	90	"
08-7-00-0336	VALVE ACTUATORS AND SPARE PARTS FOR VALVES ACTUATORS	ITEM	110	"
08-7-00-0337	SPARE PARTS FOR BOOSTER BLOWERS	ITEM	80	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL DEPOTS
(OIL STORAGE DEPOTS, TANK FARMS & PUMP STATION)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0338	SPARE PARTS FOR GAS TURBINES TYPE : FR 5002	ITEM	80	Equipment and spares for maintenance and repair in depots, tansk farms and pumping stations
08-7-00-0339	PUMPS & SPARE PARTS FOR CENTRIFUGAL PUMPS	ITEM	36	"
08-7-00-0340	PUMPS & SPARE PARTS FOR CENTRIFUGAL PUMPS 12 LN 21	ITEM	40	"
08-7-00-0341	PUMPS & SPARE PARTS FOR OILY WATER PUMPS RV 125/315	ITEM	40	"
08-7-00-0342	SPARE PARTS FOR MAIN PUMPS TYPE : MLHC 600 X 500 Q	ITEM	70	"
08-7-00-0343	SPARE PARTS FOR GEC GAS TURBINES EASI	ITEM	200	"
08-7-00-0344	HYDRAULIC SYSTEM EQUIPMENT & SPARE PARTS	ITEM	12	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: ZUBAIR, NORTH & SOUTH RUMAILA

SERVICE CONTRACTS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0345	RUSTON TA – 1750 , ROTORS & STATORS REFURBISHMENT EACH SET CONSIST OF :-1 NO. COMPRESSOR ROTOR, 1 NO. C.T. ROTOR, 1 NO. P.T. ROTOR, 1.NO. C.T. STATOR, 1 NO. P.T. STATOR	SET	4	Service contracts for Ruston motors, mainly in S Rumailah " "

LOCATION: NORTH, SOUTH RUMAILA & GARMA

WATER TREATMENT & INJECTION SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0346	PUMPS & SPARE PARTS FOR MAIN INJECTION PUMPS AND FOR WATER TREATMENT EQUIPMENT	ITEM	80	Water treatment and injection spare parts and equipment

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: AL BAKER TERMINAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0347	SPARE PARTS FOR LOADING ARMS TYPE: 24" X80" F. P. D. C. M. A.	ITEM	90	Repair and maintenance of equipment at Mina al-Bakr
08-7-00-0348	VALVE ACTUATORS & SPARES FOR MAIN PIPE LINE 48"	ITEM	16	"
08-7-00-0349	CAPSTANS & SPARE PARTS FOR CAPSTAN PULL-PAK MODEL : 110A,	ITEM	24	"

LOCATION: WEST QURNA
MAINTENANCE OF PRODUCTIONS
STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0350	PUMPS & SPARE PARTS FOR BOOSTER PUMPS GABBIONETA TYPE : VB 350 / 200/ 2	ITEM	170	Equipment for West Qurna degassing station
08-7-00-0351	ELECTRIC MOTOR DRIVEN JOCKEY PUMPS, HORIZONTALLY INSTALLED SKID MOUNTED	ITEM	2	"
08-7-00-0352	SKID MOUNTED , HEAVY DUTY, INDUSTRIAL TYPE FOR CONTINUOS OPERATION DIESEL ENGINE DRIVEN GENERATING SET HAVING AN OUTPUT OF (750) KVA AT (0.8 POWER FACTOR) (600KW) & SPARE PARTS	ITEM	2	"
08-7-00-0353	SKID MOUNTED ELECT. FIRE FIGHTING PUMPS (4NOS) WITH SPARES	ITEM	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL DEPOTS, OIL STORAGE DEPOTS, TANK FARMS & PUMP STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0354	CONTROL SYSTEM FOR TURBO GENERATOR ALSTHOM	ITEM	25	Equipment and spares for instrumentation repair and maintenance
08-7-00-0355	CONTROL SPARES FOR TURBINES I.R.	ITEM	50	"
08-7-00-0356	SPARES FOR CONTROL SYSTEM AT PS1	ITEM	25	"
08-7-00-0357	TANK GAUGING SYSTEM FOR ZUBAIR DEPOT WITH SPARES	ITEM	5	"
08-7-00-0358	CRUDE OIL METERING SYSTEMS FOR DEPOTS WITH SPARES	ITEM	5	"
08-7-00-0359	LEVEL SWITCHES FOR TANKS AND ACCESSORIES	ITEM	50	"
08-7-00-0360	CONTROL CABLES FOR PUMP STATIONS	ITEM	50	"
08-7-00-0361	TOOLS & EQUIPMENT FOR MAINTENANCE OF METERING SYSTEMS	ITEM	50	"
08-7-00-0362	INSTRUMENTS SPARES FOR GROVE SURGE RELIEF VALVE	ITEM	10	"

LOCATION: NORTH & SOUTH RUMAILA
MAINTENANCE & REVAMPING OF DEGASSING / DESALTING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0363	QURAINAT DEGASSING STATION CENTRAL CONTROL SYSTEM	ITEM	100	Instrument repair and maintenance at degassing and desalting stations.
08-7-00-0364	SPARES FOR CONTROL VALVES DESIGN V500 & DESIGN ED	ITEM	100	"
08-7-00-0365	CONTROL & PROTECTION INSTRUMENTS FOR WET CRUDE BANKS AT DEGASSING STATIONS	ITEM	100	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: NORTH & SOUTH RUMAILA / GAS COMPRESSION STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0366	SPARES FOR CONTROL ROOM EQUIPMENT	ITEM	150	Instrumentation spares and equipment
08-7-00-0367	FIELD INSTRUMENTS WITH SPARES	ITEM	150	"

LOCATION: ZUBAIR / BASRAH
MAINTENANCE OF PRODUCTION STATIONS (DEGASSING)

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0368	SPARES FOR CONTROL ROOM OF DEGASSING STATIONS	ITEM	200	Spares and equipment for instrumentation in degassing stations
08-7-00-0369	SPARES FOR CONTROL VALVES	ITEM	100	"
08-7-00-0370	FIELD INSTRUMENTS FOR DEGASSING STATION WITH SPARES	ITEM	100	"
08-7-00-0371	CONTROLLERS AND POSITIONERS FOR DEGASSING BANKS	ITEM	150	"

LOCATION: NORTH & SOUTH RUMAILA, GARMA,
WATER INJECTION SYSTEM

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0372	SPARES FOR INSTRUMENTS OF CHLORINE STATION-GARMA	ITEM	200	Spares for chlorine injection instrumentation systems

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: WEST QURUA
CONTINUATION OF THE UPGRADING OF DG7 & DG8,
PHASE (1) / WEST QURNA OIL FIELD

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0373	CONTROL VALVE FOR DEGASSING BANKS	ITEM	50	Instrumentation and spares for DG7 and DG8
08-7-00-0374	INSTRUMENTS AND SPARES FOR DEGASSING BANKS	ITEM	50	"

LOCATION: NORTH & SOUTH RUMAILA
DEGASSING AND COMPRESSION STATIONS
ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0375	SPARE PARTS FOR OVER HEAD CRANE	ITEM	100	Spare Parts and equipment (electrical) for degassing and compression stations.
08-7-00-0376	REPLACEMENT OF OLD BATTERIES FOR ALL AREAS	ITEM	100	"
08-7-00-0377	ELECTRICAL VALVE ACTUATORS & SPARE PARTS	ITEM	150	"
08-7-00-0378	SPARE PARTS FOR GAS TURBINE	ITEM	150	"
08-7-00-0379	SPARE PARTS FOR MAIN MEDIUM VOLTAGE MOTOR	ITEM	100	"
08-7-00-0380	U.P.S UNIT AND SPARE PARTS FOR ALL AREAS	ITEM	100	"
08-7-00-0381	WORK SHOP EQUIPMENT FOR ALL AREAS	ITEM	100	"
08-7-00-0382	SPARE PARTS FOR DIESEL GENERATORS	ITEM	100	"
08-7-00-0383	SPARE PARTS FOR MEDIUM, AND LOW VOLTAGE SWITCH GEAR, MCC PANEL WITH ALL ACCESSORIES	ITEM	150	"
08-7-00-0384	POWER TRANSFORMER & EARTHLING TRANSFORMER	ITEM	50	"
08-7-00-0385	BATTERY CHARGERS & SPARES	ITEM	100	"

MINISTRY OF OIL

SHEET NO.: 13 OF 43

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: AL-BAKER TERMINAL

ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0386	LOW VOLTAGE & MEDIUM S.G. PANELS MCC, SPARE PARTS AND ACCESSORIES (EXPLOSION PROOF).	ITEM	100	Electrical spares and equipment for Mina al-Bakr loading platform
08-7-00-0387	SPARE PARTS FOR DIESEL ENGINE & FIRE FIGHTING ENGINE	ITEM	100	"
08-7-00-0388	ELECTRIC VALVE ACTUATORS AND SPARE PARTS	ITEM	75	"
08-7-00-0389	CONTRACTORS, CIRCUIT BREAKER, OVERLOAD, GLAND & ACCESSORIES	ITEM	200	"
08-7-00-0390	SPARE PARTS FOR LOADING ARM	ITEM	50	"

LOCATION: NORTH & SOUTH RUMAILA, GARMA, WATER INJECTION SYSTEM

ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0391	SPARE PARTS FOR MEDIUM & LOW VOLTAGE SWITCH GEAR	ITEM	100	Electrical spares for water injection systems
08-7-00-0392	BATTERY CHARGER AND SPARES	ITEM	115	"
08-7-00-0393	ELECTRICAL LAMP, LAMP FITTING, AND ACCESSORIES FOR ALL AREAS	ITEM	200	"
08-7-00-0394	ELECTRIC MOTOR AND REPAIR MOTORS, AND SPARE PARTS	ITEM	100	"
08-7-00-0395	SOLAR CATHODIC PROTECTION	ITEM	100	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL DEPOT, OIL STORAGE DEPOTS, TANK FARM & PUMP STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0396	EXPLOSION PROOF ELECTRIC PANEL, LOW VOLTAGE SWITCH RACK AND ACCESSORIES	ITEM	200	Electrical spares for fuel depots and pump stations
08-7-00-0397	ELECTRICAL LAMP, LAMP FITTINGS, POLES, AND ACCESSORIES FOR ALL AREAS	ITEM	150	"
08-7-00-0398	SPARE PARTS FOR IGNITION EXCITER	ITEM	150	"
08-7-00-0399	ELECTRICAL VALVE ACTUATOR AND SPARE PARTS	ITEM	200	"

LOCATION: WEST QURNA
DEVELOPMENT OF DG7 & DG8,
PHASE (1) / WEST QURNA OIL FIELD
ELECTRICAL MATERIALS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0400	CABLE, HIGH, LOW VOLTAGE, ACSR BAR WIRE, CABLE JOINTS AND ACCESSORIES	ITEM	200	Electrical spares for degassing stations.
08-7-00-0401	MOBILE SUBSTATION, AND POWER TRANSFORMER 132/33/11 KB	ITEM	20	"
08-7-00-0402	MATERIALS FOR CATHODIC PROTECTION	ITEM	100	"
08-7-00-0403	SPARE PARTS FOR LOW VOLTAGE SWITCH GEAR, & MCC, WITH ALL ACCESSORIES	ITEM	300	"
08-7-00-0404	DIESEL GENERATORS AND (100) ITEMS OF SPARE PARTS & ACCESSORIES.	ITEM	150	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS

SHEET NO.: 15 OF 43

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0405	BEARING SEVERAL TYPES FOR MOTOR AND PUMP MAINTENANCE	ITEM	100	General engineering spares and equipment for repair and maintenance throughout South area.
08-7-00-0406	SPARE PARTS FOR WATER TREATMENT STATION(R. O.) UNIT	ITEM	15	"
08-7-00-0407	WATER TREATMENT STATION IN MUFTIA PACKAGE 300M3 /HR CONSIST OF (40) ITEMS.	PACKAGE	1	"
08-7-00-0408	SPARE PARTS FOR TRAIN A/C UNIT MODEL SAHDIOM. RAUB 45 SACA-1254-A, BTCO85 AND FOR CVAC-AIR COOLED CENTERFUGAL LIQUID CHILLER O21 COLD STORE	ITEM	30	"
08-7-00-0409	SPARE PARTS FOR A/C SPLIT , WINDOW & REFRIGERATOR	ITEM	35	"
08-7-00-0410	MATERIALS FOR CABLE JOINTING	ITEM	35	"
08-7-00-0411	SPARE PARTS FOR ITALOCON INTERNATIONAL COOLING DEVICES VARIOUS MODELS	ITEM	15	"
08-7-00-0412	SPARE PARTS FOR WATER PUMP STATION FOR NORTH RUMAILA & WEST QURNA	ITEM	20	"
08-7-00-0413	TOOLS AND EQUIPMENT FOR WORKSHOPS, CABLE JOINTING, TESTING AND FOR GENERATOR TEST	ITEM	35	"
08-7-00-0414	SPARE PARTS FOR MUFTIAH WATER TREATMENT STATION	ITEM	16	"
08-7-00-0415	A/C UNIT FOR WEST QURNA C.G.S (7 & 8)	ITEM	5	"
08-7-00-0416	SPARE PARTS FOR 11 KV DISTRIBUTION SWITCHGEAR	ITEM	30	"
08-7-00-0417	ADVANCE GAS CHLORINATOR AND SPARE PARTS FOR WATER TREATMENT	ITEM	35	":
08-7-00-0418	SPARE PARTS FOR STREET LIGHTING	ITEM	10	"
08-7-00-0419	SPARE PARTS FOR WEIR PUMPS	ITEM	7	"
08-7-00-0420	WATER TANK: CAPACITY 2500 M3 FOR OIL FIELDS	NOS.	4	"
08-7-00-0421	MATERIALS FOR REWINDING SEVERAL TYPES OF MOTOR	ITEM	32	"
08-7-00-0422	REPAIR OF ELECTRIC MOTORS, MEDIUM VOLTAGE	ITEM	10	"
08-7-00-0423	SPARE PARTS FOR A/C UNITS CHILLER VARIOUS PACKAGE & SPARE PARTS FOR LIFT 380 VAC, 50 HZ	ITEM	35	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NORTH & SOUTH RUMAILA
DEGASSING STATIONS UTILITIES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0424	SPARE PARTS FOR CRUSH VALVE & ROBOTARM ACTUATOR	ITEM	50	Mechanical spare parts for degassing stations
08-7-00-0425	SPARE PARTS FOR HITACHI & DAIKEN A/C UNITS &DAIKEN CHILLER	ITEM	18	"

LOCATION: AL-BAKER TERMINAL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0426	A/C UNIT FOR AL-BAKER TERMINAL	ITEM	2	Air conditioning unit for Mina al-Bakr loading platform.

LOCATION: AL-BAKER TERMINAL
TELECONTROL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0427	TELECONTROL SYSTEM FOR PUMPING OIL TO AL-BAKER TERMINAL FROM PS1-ZUBAIR-FAO	ITEM	15	Control and communications equipment for Mina al-Bakr loading platform.
08-7-00-0428	PUBLIC ADDRESS SYSTEMS ON AN OPEN PLATFORM AL-BAKER TERMINAL	ITEM	15	"
08-7-00-0429	COMPACT VHF FM TRANSCEIVER RADIO TELEPHONE SETS WORKING ON ALL INTERNATIONAL MARINE CHANNELS	ITEM	10	"
08-7-00-0430	PORTABLE PERSONAL RADIO MARIN BAND VHF FM SETS	ITEM	10	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: WEST QURNA
TELECONTROL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0431	DEHYDRATOR TYPE DBP-L5B2 TO REPLACE THE DAMAGE AT WEST QURNA	ITEM	10	Complete dehydrator unit for West Qurna
08-7-00-0432	(3) NO.CHARGE CONTROL REGULATOR FOR POWER FEEDING TO TELECONTROL SYSTEM IN PSI & WEST QURNA FIELD	ITEM	10	Power control regulator for telecontrol system at West Qurna

LOCATION: ALL AREAS
TELECONTROL

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0433	(10) STANDARD FACSIMILE (FAX) SET WITH SPARE PARTS.	ITEM	10	Walkie-Talkie system for Mina al-Bakr
08-7-00-0434	(4) MODERN (VHF/UHF) WALKIE TALKIE SETS (10 PAIRS).	ITEM	10	"
08-7-00-0435	SPARE PARTS FOR NEC (SCADA SYSTEM) SERIES CARRIER MULTIPLEX EQUIPMENT.	ITEM	20	Spares for Scada system
08-7-00-0436	SPARE PARTS FOR PCM MULTIPLEX EQUIPMENT FOR AL-BAKER TERMINAL.	ITEM	20	Spares for PCM erquipment at Mina al-Bakr

LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0437	CIVIL ENGINEERING EQUIPMENT, WITH SPARES AND ACCESSORIES	ITEM	30	General engineering equipment.
08-7-00-0438	CESSPIT EMPTIER VEHICLE WITH SPARES AND ACCESSORIES	ITEM	3	"
08-7-00-0439	CONCRETE TRUCK MIXER 6m^3 WITH SPARES AND ACCESSORIES	ITEM	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: MESSAN FIELDS
DEGASSING STATIONS, OIL STORAGE DEPOTS, TANK FARMS & PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0440	MECHANICAL EQUIPMENT LATHE UNIVERSAL MILLING, SAWING MACHINE ETC WITH SPARES & ACCESSORIES EACH SET CONSISTS OF (100) ITEM	SET	20	Workshop equipment requirements
08-7-00-0441	WATER BATH INDIRECT OIL HEATERS COMPLETE WITH (4) SETS OF SPARES EACH SET CONSISTS OF 75 ITEM.	ITEM	4	Crude oil heaters for Messan field
08-7-00-0442	SPARE PARTS FOR BURTON COBLINE AIR COMPRESSOR AND PUMPS	ITEM	450	Mechanical spare parts and equipment .
08-7-00-0443	SPARE PARTS FOR SOLAR TURBINE MDG 4000.	ITEM	50	"
08-7-00-0444	SPARE PARTS FOR CATERPILLAR ENGINES	ITEM	2000	"
08-7-00-0445	SPARE PARTS FOR AIR COMPRESSOR, BROOM & WADE	ITEM	115	"
08-7-00-0446	CIVIL WORKS TRUCKS & EQUIPMENT TRACTORS, DUMBERS, CONCRETE MIXER, SHOVEL.	ITEM	10	Mechanical equipment.
08-7-00-0447	CIVIL WORKS INSTRUMENTS THEODOLIT, LEVELS	ITEM	5	Tools
08-7-00-0448	FRESH WATER NETWORK MATERIALS	ITEM	3200	Spares and equipment
08-7-00-0449	TRUCK MOUNTED AERIAL LIFT	NOS.	1	"
08-7-00-0450	ELECT. SPARES FOR DEGASSING STATIONS & TERMINAL (BUZURGAN OIL TREATMENT)	ITEM	4000	Electrical spares for degassing stations.
08-7-00-0451	SPARES FOR HOBART WELDING MACHINES.	ITEM	500	Spares and equipment for repairs.
08-7-00-0452	SPARES FOR WATER BATH INDIRECT OIL HEATERS.	ITEM	250	"
08-7-00-0453	MAJOR OVERHAUL FOR TWO UNITS SOLAR TURBINE (ABROAD)	CONTRACT	1	Overseas repair contract.
08-7-00-0454	CRUDE OIL ELECT. PUMP WITH SPARES AND ACCESSORIES.	ITEM	20	Pump and spares.

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: MESSAN FIELDS

DEGASSING STATIONS, OIL STORAGE DEPOTS, TANK FARMS & PUMPING STATIONS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0455	MATERIAL AND EQUIPMENT FOR ELECT SUBSTATION 33 /6.6 K.V CONSIST OF HIGH VOLTAGE SWITCH BOARD, TRANSFORMERS, PMCC, CABLES.	ITEM	20	Electrical spares and equipment
08-7-00-0456	FLOW LINE MAINTENANCE MACHINES AND DEVICES	ITEM	650	"
08-7-00-0457	INSTRUMENTS & OTHER DEVICES FOR DEGASSING STATION	ITEM	600	"
08-7-00-0458	MAINTENANCE TOOLS AND EQUIPMENT FOR OPERATIONAL PURPOSES	NOS.	7000	"
08-7-00-0459	EQUIPMENT AND MATERIALS FOR WELL HEAD MAINTENANCE	ITEM	3500	"
08-7-00-0460	FLOW LINE ACCESSORIES	ITEM	25000	"
08-7-00-0461	FIRE FIGHTING EQUIPMENT	ITEM	50	Fire fighting equipment and consumables..
08-7-00-0462	RESERVOIR MONITORING SOFTWARE	ITEM	10	General software for reservoir operations.
08-7-00-0463	WELL TESTING EQUIPMENT AND GEOLOGICAL , MUD LOGGING AND TOTAL DRILLING CONTROL EQUIPMENT	ITEM	10	Testing and control equipment
08-7-00-0464	MATERIALS, PUMPS, TANKS & VESSELS, EQUIPMENT ACCESSORIES, PIPES, FITTING AND VALVES NEEDED TO ESTABLISH A WATER TREATMENT PLANT (BUZURGAN WATER INJECTION PILOT PLANT)	PLANT	1	Equipment and spares for water treatment plant.

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS

SPECIALIZED TRUCKS, EQUIP. TOOLS AND WORKSHOP EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0465	WHEEL LOADER WITH (60) ITEM SPARE PARTS.	NOS.	6	Transport and heavy equipment requirements.
08-7-00-0466	CRAWLER EXCAVATOR WITH (20) ITEMS SPARE PARTS.	NOS.	2	"
08-7-00-0467	TYRE ROLLER WITH (40) ITEMS SPARE PARTS	NOS.	4	"
08-7-00-0468	CRANE CAP.10 TON WITH (40) ITEMS SPARE PARTS	NOS.	6	"
08-7-00-0469	TRUCK WITH CONCRETE MIXER WITH (20) ITEMS SPARES	NOS.	3	"
08-7-00-0470	TRUCK WITH SLUSH VACUUM WITH (20) ITEMS SPARES	NOS.	2	"
08-7-00-0471	RECOVERY TRUCK FOR LIGHT VEHICLES WITH (20) ITEMS SPARE PARTS	NOS.	2	"
08-7-00-0472	TRUCK TRACTOR WITH CEMENT SEMI-TRAILER CAP.35TON WITH (30) ITEMS SPARE PARTS	NOS.	3	"
08-7-00-0473	FORK LIFT DIFFERENT CAPACITY WITH SPARES & ACCESSORIES.(50) ITEMS.	NOS.	12	"
08-7-00-0474	SIDE FORK LIFT 40 TON WITH (20) ITEMS SPARE PARTS	NOS.	2	"
08-7-00-0475	DUMPER WITH (30) ITEMS SPARE PARTS	NOS.	3	"
08-7-00-0476	CESSPIT EMPTIER TRUCK WITH WATER JETTING UNIT WITH (20) ITEMS SPARE PARTS	NOS.	2	"
08-7-00-0477	TYRES WITH TUBES & FLAPS	ITEMS	80	"
08-7-00-0478	WORKSHOP EQUIPMENT	ITEM	70	"
08-7-00-0479	SPARE PARTS FOR HEAVY EQUIPMENT & VEHICLES	ITEM	1500	"
08-7-00-0480	SPARE PARTS FOR LIGHT EQUIPMENT & VEHICLES	ITEM	10000	"
08-7-00-0481	FUEL STATIONS SOUTH RUMAILA COMPLETE	ITEM	150	Filling stations for South area.
08-7-00-0482	BUS (24) SEATERS & SPARES.	NOS.	90	Transportation requirements
08-7-00-0483	BUS (45) SEATERS WITH SPARE PARTS.	NOS.	60	"
08-7-00-0484	PICK-UP DOUBLE CABIN & SPARES.	NOS.	106	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0485	EQUIPMENT AND MATERIALS FOR REHABILITATION OF ELECTRICAL DISTRIBUTION SYSTEM CONSISTING OF:			
	– COPPER BARS	TON	1350	Consumables for repair and maintenance
	– GALVANIZED STEEL TAPE	TON	500	"
	– PVC COMPOUND	TON	900	"
	– ALUMINUM ROD	TON	300	"
	– GALVANIZED STEEL CORES	TON	270	"
	– ALUMINUM INCOT	TON	1000	"
	– POLYESERIMIDEWIR ENAMEL	TON	4	"
	– ARMOURING MACHINE FOR (SWA) WITH SPARE PARTS	LOT	1	"

"

MINISTRY OF OIL

SHEET NO.: 22 OF 43

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: FAO TANK FARM

REHABILITATION OF FAO TANK FARM

ACTIVITY NO. (23):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-23-0486	LINE PIPE, PIPE FITTING, FLANGES, VALVES AND WELDING ELECTRODES.	ITEM	465	Equipment and spares for rebuilding of Fao tank farm to enhance storage capacity for exports via Mina al-Bakr
08-7-23-0487	5000m^3, FIRE WATER TANK	NOS.	1	"
08-7-23-0488	FIRE FIGHTING FACILITIES INCLUDING PUMPS; FOAM BAG; TANK FOAM GENERATORS; FIRE WATER MONITOR; MOBILE WATER MONITORS; FIRE HYDRANTS; HYDRANT HOSE; HOSE REEL; HYDRANT BOX; EXTINGUISHERS, WHEELED AND MOBILE CO2 EXTINGUISHERS; QUICK CONNECTIONS; TWINND WHEELED EXTINGUISHER & OTHER ACCESSORIES.	ITEM	196	"
08-7-23-0489	TURBO GENERATING SET	SET	1	"
08-7-23-0490	58000M^3 FLOATING ROOF CRUDE OIL STORAGE TANKS	NOS.	4	"
08-7-23-0491	INSTRUMENT EQUIPMENT	ITEM	225	"
08-7-23-0492	DISTRIBUTED CONTROL SYSTEM	SET	1	"
08-7-23-0493	CABLES OF DIFFERENT SIZE	LOT	15	"
08-7-23-0494	FITTINGS	LOT	1	"
08-7-23-0495	COMMUNICATION EQUIPMENT	LOT	1	"
08-7-23-0496	FIRE ALARM SYSTEM	LOT	1	"
08-7-23-0497	MEDIUM VOLTAGE SWITCHGEAR, POWER RANSFORMERS, CABLES & ACCESSORIES	ITEM	14	"
08-7-23-0498	SURGE SYSTEM & PRESSURE REDUCTION SYSTEM	SYSTEM	2	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY (SOC)

LOCATION: NORTH RUMAILA

UPGRADING OF PRODUCTION FACILITIES

ACTIVITY NO. (24):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-24-0499	OIL & WATER INJECTION FOR BETTER RESERVOIR MANAGEMENT CONSISTING OF THE FOLLOWING, COMPLETE IN THE ALL ACCESSORIES & SPARES: WATER LINES TO CLUSTER PUMPING STATIONS, (19) SETS OF MAIN PUMPS, (19) SETS OF MAIN BOOSTER PUMPS, INSTRUMENTS, CABLES, FITTINGS, CONTROL SYSTEM, TELEPHONIC FACILITIES SYSTEM, ELECTRICAL DISTRIBUTION NETWORK & POWER TRANSFORMERS , DIESEL GENERATOR, D.C. SYSTEMS, EARTHING MATERIALS ...ETC	LOT	15	Water injection systems to enhance production

MINISTRY OF OIL
SHEET NO.: 24 OF 43
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: WEST QURNA OIL FIELD
CONTINUATION OF OIL FIELD UPGRADING
(SURFACE INSTALLATIONS)
ACTIVITY NO. (25):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-25-0500	- WATER INTAKE SYSTEM CONSISTING OF: - VARIOUS PUMPS FOR (LIFT (1ST & 2ND), DRAINAGE , SEWAGE, WASHING WATER , EJECTOR, PUMPS, DOSING , PROPORTIONING , EMERGENCY ,TREATED WATER, WASTE WATER, FLOOD PUMPS, DESALTED WATER, WATER SUPPLY) OTHER PUMPS & RELATED FUNCTIONS.WITH SPARES - AIR BLOWER S , AIR SUPPLY SYSTEMS & SPARES - COATED & UNCOATED PIPE LINES - FLANGES & FITTINGS , VALVES ... ETC - MANIFOLDS & ACCESSORIES - CLUSTER PUMPING STATIONS & AUX. PUMPS & SPARES - VESSELS & ACCESSORIES - CHLORINATION SYSTEM WITH ALL ACCESSORIES, CONTAINERS, CYLINDERS ... ETC & SPARES	ITEM	200	Equipment and spares for upgrading development of production from West Qurna field
08-7-25-0501	WATER DEOXIDIZATION UNIT	SET	2	"
08-7-25-0502	UNIT FOR CATIONIC FLOCCULATION DISSOLVING WITH SPARES	SET	2	"
08-7-25-0503	UNIT FOR FLOCCULATION DILUTION PREPARATION WITH SPARES	SET	4	"
08-7-25-0504	WATER DESALTING UNITS (VARIOUS CAPACITIES WITH SPARES	SET	1	"
08-7-25-0505	PROCESS CONTROL PANEL & VARIOUS INSTRUMENT QUIPMENT WITH ACCESSORIES & SPARES	LOT	3	"
08-7-25-0506	REVERSE OSMOSIS PACKAGE, CONSISTING OF R.O. UNIT, STORAGE TANK, TRANSFER PUMP ... ETC & SPARES	SET	1	"
08-7-25-0507	FILTRATION PACKAGE, CONSISTING OF: PRE COAT FILTER , ACTIVATED CARBON CARTRIDGE FILTER...ETC & SPARES	SET	1	"
08-7-25-0508	ANTI FOAM PACKAGE	SET	1	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: WEST QURNA OIL FIELD

CONTINUATION OF OIL FIELD UPGRADING (SURFACE INSTALLATION)

ACTIVITY NO. (25):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-25-0509	HOT OIL PACKAGE (HEATER, SURGE DRUM, PUMPS ...ETC)	SET	1	"
08-7-25-0510	INSTRUMENT AIR & UTILITY AIR PACKAGE (RECEIVERS, COMPRESSORS...ETC)	SET	1	"
08-7-25-0511	INDUSTRIAL WATER PRE-TREATMENT (STORAGE TANK, PUMPS, FILTERS...ETC) & SPARES	NOS.	1	"
08-7-25-0512	CORROSION INHIBITOR PACKAGE	SET	8	"
08-7-25-0513	FIRE PROTECTION FACILITIES WITH SPARES	ITEM	60	"
08-7-25-0514	PIPES, FLANGES , VALVES & PIPE FITTING...ETC	LOT	10	"
08-7-25-0515	PIPE LINES & PIPE COATING MATERIALS	LOT	1	"
08-7-25-0516	COMPLETE PROCESS CONTROL SYSTEM	SET	1	"
08-7-25-0517	INSTRUMENT EQUIPMENT WITH SPARES	LOT	1	"
08-7-25-0518	GENERATORS, MED. VOLTAGE SWITCHGEAR, CABLES, POWER, TRANSFORMER ELECTRICAL MOTORS...ETC	ITEM	100	"
08-7-25-0519	FILTERS FOR WATER	NOS.	10	"
08-7-25-0520	CABLES & FITTINGS	ITEM	60	"
08-7-25-0521	STEEL REINFORCEMENT	TON	1000	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: WEST QURNA
GAS UTILIZATION & ENVIRONMENTAL PROTECTION
ACTIVITY NO. (26):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-26-0522	COMPRESSORS HIGH & LOW PRESSURE CENTRIFUGAL GAS COMPS. WITH GAS TURBINE DRIVER, ELE. MOTOR....ETC & SPARES	SET	20	Spares and equipment for regeneration and repair of gas drying facility.
08-7-26-0523	VESSELS, SCRUBBERS , SEPARATORS , RECEIVERS	NOS.	50	"
08-7-26-0524	AIR COOLERS (LOW PRESS & HIGH PRESS)	NOS.	25	"
08-7-26-0525	GAS SWEETENING PACKAGE CONSIST OF: CONDENSERS, PUMPS, VESSELS, TANKS, ABSORBER, REBOILERS, REGENERATORS, HEAT EXCHANGERS, AIR COOLERS....ETC & SPARES	LOT	1	"
08-7-26-0526	GLYCOL GAS DEHYDRATION PACKAGES WITH CAPACITIES 40-60 MNM^3/D COMPONENTS: ABSORBERS, REGENERATORS, HEAT EXCHANGERS ,AIR-COOLERS, REBOILERS, SEPARATORS, PUMPS, BLOWERS, TANKS FILTERS, PIPING ,FILTERS...ETC	LOT	4	"
08-7-26-0527	BLOWERS & PUMPS WITH SPARES	SET	50	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: ZUBAIR
UTILIZATION OF ZUBAIR GAS & ENVIRONMENTAL PROTECTION
ACTIVITY NO. (27):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-27-0528	VESSELS	NOS.	20	Equipment and spares to reduce gas flaring from Zubair and make same available for power generation
08-7-27-0529	AIR COOLERS	NOS.	5	"
08-7-27-0530	PUMPS	NOS.	10	"
08-7-27-0531	AIR COMPRESSOR PACKAGES	SET	5	"
08-7-27-0532	DRINKING WATER TANKS	NOS.	5	"
08-7-27-0533	SLUG CATCHER	NOS.	3	"
08-7-27-0534	COATED PIPE LINES (12" & 24")	KM	50	"
08-7-27-0535	VALVES , FLANGES AND PIPE FITTINGS	ITEM	40	"
08-7-27-0536	PIG LAUNCHER & RECEIVER	NOS.	6	"
08-7-27-0537	INSTRUMENTS	LOT	4	"
08-7-27-0538	COMPLETE PROCESS CONTROL SYSTEM	LOT	2	"
08-7-27-0539	ELECTRICAL EQUIPMENT AND CABLES	LOT	2	"
08-7-27-0540	ACCESSORIES AND HANDLING EQUIPMENT & MATERIALS RELATED TO THE ACTIVITY.	LOT	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: SOUTH RUMAILA FIELD
RECONSTRUCTION OF MISHRIF QURNAINAT AND MISHRIF SHAMIYA DEGASSING STATIONS
ACTIVITY NO. (28):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-28-0541	GAS/OIL SEPARATORS FOR QURAINT DEG.STAT. INCLUDING ALL STEEL PLATES AND STRUCTURES, WITH ALL INTERNAL AND EXTERNAL ACCESSORIES, EACH SET CONSISTS OF 100 ITEMS.	SET	10	Equipment and spares for reconstruction of degassing stations in S Rumailah both heavil damaged in war.
08-7-28-0542	MANIFOLDS FOR OIL FLOW LIENS	SET	4	"
08-7-28-0543	INTERCONNECTING PIPING, FITTING, VALVES AND ACCESSORIES FOR QURANAT DEG. STAT. EACH SET CONSISTS OF 200 ITEMS.	SET	10	"
	200 ITEMS.			
08-7-28-0544	FLARE SYSTEM WITH K.O DRUMS AND FLARE STACKS.	SET	10	"
08-7-28-0545	INSTRUMENT AND CONTROL PACKAGES COMPLETE WITH ALL ACCESSORIES AND SPARE PARTS. FOR QURAINAT DEGASSING STATION.	SET	20	"
08-7-28-0546	ELECTRICAL PUMPING SETS FOR QURAINT DEGASSING STATION, COMPLETE WITH ALL COMPLEMENTARY SYSTEMS AND ACCESSORIES AND SPARE PARTS EACH SET CONSIST OF 20 ITEMS.	SET	6	"

MINISTRY OF OIL
SHEET NO.: 29 OF 43
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: SOUTH RUMAILA FIELD
RECONTRUCTION OF MISHRIF QURAINAT & MISHRIF SHAMIYA STATIONS
ACTIVITY NO. (29):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-29-0547	COMPLETE PACKAGE OF FIRE FIGHTING SYSTEM FOR QURAINAT DEG. STAT. INCLUDING ALL FIRE WATER PUMPS, SENSING AND ALARM SYSTEM, FOAM SYSTEM AND ALL ACCESSORIES, PIPING, VALVES &FIRE HYDRANTS SPARES...ETC. EACH SET CONSISTS OF 50 ITEM.	SET	100	Equipment and spares for reconstruction of degassing stations in S Rumailah both heavil damaged in war.
08-7-29-0548	ELECTRICAL FEEDING AND DISTRIBUTION SYSTEM FOR QURAINAT DEG. STAT. INCLUDING ALL FEEDERS, SWICH GEARS, TRANSFORMERS, MCC BOARD, CABLING AND ALL ACCESSORIES AND SPARE PARTS SETS. EACH SET CONSISTS OF 150 ITEM	SET	20	"
08-7-29-0549	2 NOS. OF DEHYDRATION/DESALTING UNITS OF 50 000 B/D CAPACITY FOR QURAINAT MISHRIF AND SHAMIYA MISHRIF DEGASSING STATIONS. COMPLETE WITH ALL COMPLEMENTARY SETS OF DEHY. AND DESALTER VESSELS, STEEL PLATE AND STRUCTURES, HEATERS, PUMPS, PIPING, FITTING, VALVES, ELECTRICAL PACKAGE, INSTRUMENT AND CONTROL PACKAGES, WATER TREATMENT UNIT, CABLING AND ALL NECESSARY ACCESSORIES AND SPARE PARTS.	SET	50	"

MINISTRY OF OIL

SHEET NO.: 30 OF 43

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: ALL AREAS

CRUDE OR FLOW LINES FOR ALL SITES

ACTIVITY NO. (30):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-30-0550	- PIPE LINES SEAMLESS 5LX X-60 OF 6" AND 8" & 10" DIAMETERS COATED WITH EXTRUDED POLYETHYLENE COAT OF 3 MM THICKNESS.	KM.	400	Equipment for connection and completion of existing wells mainly in S Rumailah.
08-7-30-0551	- VALVES BALL, GATE AND CHECK, CLASS 900 AND 600 AND ACCESSORIES OF 6, 8, 10" SIZE.	NOS.	1500	"
08-7-30-0552	- PIPE FITTING INCLUDING FLANGES, ELBOWS, TEES, SMALL VALVES, REDUCERS, WELDOLETS, COUPLING, BOSSES, GASKETS, STUDBOLTS, TEMP. GAUGES, PRESSURE GAUGES. - EACH SET CONSISTS OF 250 ITEMS.	SET	50	"
08-7-30-0553	- CONSUMABLES AND CONSTRUCTION TOOLS. EACH LOT CONSIST OF 100 ITEMS.	LOT	4	"
08-7-30-0554	- SERVICE AND HANDLING EQUIPMENT	SET	10	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: NORTH RUMAILA

CONTINUATION OF THE UPGRADING OF NORTH RUMAILA OIL FIELD DS4 AND DS5 DEGASSING BANKS

ACTIVITY NO. (31):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-31-0555	GAS OIL DEGASSING BANK OF 100 000 B/D CAPACITY INCLUDING ALL SEPARATORS AND VESSELS, STEEL PLATES AND STRUCTURE WITH INTERNAL AND EXTERNAL ACCESSORIES FOR DS4 AND DS5.	SET	20	Further developement and repair of degassing banks at DS-4 and DS-5 (N Rumailah)
08-7-31-0556	INTERCONNECTING PIPING NETWORK COMPLETE WITH ALL VALVES AND FITTING FOR DS4 AND DS5.	SET	10	"
	COMPLETE PACKAGE OF INSTRUMENT AND CONTROL SYSTEM COMPLETE WITH ALL CABLING AND ACCESSORIES.	SET	4	"
08-7-31-0557	FLARE SYSTEM WITH KNOCK OUT DRUMS AND FLARE STACK. FOR DS4 AND DS5.	SET	10	"
08-7-31-0558	ELECTRICAL SYSTEM. EACH SET CONSISTS OF 100 ITEM.	SET	2	"

LOCATION: NORTH RUMAILA

OIL FLOW LINES AND MANIFOLDS

ACTIVITY NO. (32):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-32-0559	PIPE LINE API 5LX GR. B, X-60 OF 18", 16", 14", 10", 8" DIAMETER COATED WITH EXTRUDED POLLY-ETHYLENE COATING OF 3 MM THICKNESS.	KM	600	Flow lines and pipework for N Rumailah.
08-7-32-0560	VALVES (BALL, GATE AND CHECK) CLASS 900 AND 600.	NOS.	2000	"
08-7-32-0561	PIPE FITTING INCLUDING FLANGES, ELBOWS, TEES, REDUCERS, GASKETS, STUD BOLTS AND ACCESSORIES. EACH SET CONSIST S OF 100 ITEMS.	SET	20	"
08-7-32-0562	OIL PRODUCTION, TEST & DRAIN MANIFOLDS	SET	10	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS
REPLACEMENT OF OIL FLOW TANKS AND STORAGE TANKS AND FIRE WATER TANKS
ACTIVITY NO. (33):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-33-0563	FLOATING ROOF TANKS OF 28000/20000 m^3 CAPACITY FOR BAZERGAN STATION. COMPLETE WITH ALL STEEL PLATES AND STRUCTURE WITH INTERNAL AND EXTERNAL ACCESSORIES COMPLETE WITH ALL COMPLEMENTARY SYSTEM WHICH INCLUDES:- INTERCONNECTING PIPING, MOTORIZED VALVES, FITTING AND ACCESSORIES FOR INSTRUMENTATION AND CONTROL PACKAGES, ELECTRICAL SYSTEM WITH CATHODIC PROTECTION, CONSUMABLES AND CONSTRUCTION TOOLS EACH SET CONSISTS OF 500 ITEMS.	SET	10	Materials to construct 4 floating roof tanks (2*28,000 cubes, 2*20,000 cubes) to replace damaged tanks.
08-7-33-0564	FLOW TANK FIXED ROOF OF 5000 M^3 CAPACITY CONSISTING OF ALL STEEL PLATES AND STRUCTURES WITH INTERNAL AND EXTERNAL ACCESSORIES, COMPLETE WITH ALL COMPLEMENTARY SYSTEMS INCLUDING:- PIPING NETWORK WITH VALVES AND FITTING INSTRUMENT AND CONTROL PACKAGES ELECTRICAL SYSTEM, FLARE SYSTEM WITH ALL ACCESSORIES AND SPARE PARTS.	SET	5	Materials for 5*5000 cube crude oil flow tanks (1 at Mishri/Hamman, 2 at Qu and 2 at Sham)
08-7-33-0565	WATER TANK, FIXED ROOF OF 3000 M3 CAPACITY INCLUDING ALL PLATES AND STRUCTURE/ STEEL & INTERNAL AND EXTERNAL ACCESSORIES WITH ALL PIPING GAUGES, SWITCHES, VALVES ... ETC.	SET	2	Materials for 2 *3000 cube fixed roof water tanks for fire fighting purposes
08-7-33-0566	CONSUMABLES AND CONSTRUCTION TOOLS.	LOT	2	Consumables and mechanical items for above
08-7-33-0567	HANDLING AND SERVICE EQUIPMENT. EACH SET CONSIST OF 250 ITEMS.	SET	5	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: SUBBA
ACTIVITY NO. (34): REVAMPING OF SUBBA DEGASSING STATION NO.1

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-34-0568	REPLACEMENT DEGASSING STATION CONSISTING OF GAS/OIL DEGASSING SEPARATOR BANK OF 40 000 B/D CAPACITY AND TEST BANK WITH ALL COMPLEMENTARY SYSTEM AND ACCESSORIES WHICH INCLUDES:- - FLOW LINES - MANIFOLDS - GAS / OIL SEPARATORS - INSTRUMENT AND CONTROL PACKAGES - ELECTRICAL GENERATION & DISTRIBUTION SYSTEM. - PIPING NET WORK - FLOW TANKS - FIRE FIGHTING SYSTEM - PUMPING SETS - ALL ACCESSORIES (EACH SET CONSISTS OF 250 ITEMS)	SET	20	Materials for complete replacement of Subba degassing Station No 1

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: LUHAIS
LUHAIS DEGASSING STATION NO.2
ACTIVITY NO. (35):

CODE	ITEM DESCRIPTION	UNIT	QTY	
08-7-35-0569	DEGASSING STATION CONSISTING OF GAS / OIL DEGASSING BANK OF 60 000 M3/HR AND TEST BANK WITH ALL COMPLEMENTARY SYSTEMS AND ACCESSORIES WHICH INCLUDE:- - FLOW LINES - MANIFOLDS - GAS / OIL SEPARATORS - CONTROL AND INSTRUMENTATION - ELECTRICAL FEEDING, GENERATION & DISTRIBUTION SYSTEM. - FLARE SYSTEM - FLOW TANKS - FIRE FIGHTING SYSTEM - ALL PIPING WORK, VALVES. - PIPING FACILITIES. - ALL ACCESSORIES (EACH SET CONSIST OF 250 ITEMS)	SET	20	Materials for complete replacement of Luhais degassing Station No 2.

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: WEST QURNA

COMPLEMENTARY SYSTEMS FOR CRUDE OIL PRODUCTION FOR DG. STATION (DS6)

ACTIVITY NO. (36):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-36-0570	FLOW TANKS 5000m^3 FOR CRUDE OIL	NOS.	4	Materials and equipment for 4*5000 cube storage tanksand associated equipment for Westb Qurna DS-6
08-7-36-0571	PUMPS, VARIOUS SIZES	LOT	10	"
08-7-36-0572	FLOW LINES, VALVES, FITTINGS	ITEM	100	"
08-7-36-0573	GAS TURBINE GENERATOR	NOS.	2	"
08-7-36-0574	CABLES, ELECTRICAL EQUIPMENT & ACCESSORIES	ITEM	60	"
08-7-36-0575	INSTRUMENTATION EQUIPMENT	ITEM	70	"
08-7-36-0576	CONTROL SYSTEM	LOT	2	"
08-7-36-0577	FIRE FIGHTING EQUIPMENT	LOT	1	"
08-7-36-0578	EMERGENCY DIESEL GENERATORS	SET	3	"

LOCATION: MESSAN OIL FIELD

NEW PUMPING STATION FOR BUZERGAN-FAO CRUDE OIL PIPELINE

ACTIVITY NO. (37):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-37-0579	ELECTRICAL DRIVEN CRUDE OIL PUMPING SETS OF 200 000 B/D PUMPING RATE. COMPLETE WITH MOTOR, COUPLING, PUMP AND ALL ELECTRICAL AND CONTROL PACKAGES AND VALVES, WITH ALL ACCESSORIES AND SPARE PARTS.	SET	3	Replacement of turbine pumps at Messan field
08-7-37-0580	ELECTRICAL FEEDING AND SWITCHGEAR AND MCC PANELS FOR THE ABOVE PUMP SETS.	SET	2	Associated equipment for above

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: MESSAN

PILOT PROJECT FOR MISSAN EXPERIMENTAL WATER INJECTION

ACTIVITY NO. (38):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-38-0581	WATER TREATMENT AND FILTERING UNIT OF 5000 M3 / DAY CAPACITY, COMPLETE WITH ALL NECESSARY SYSTEMS OF ELECTRICAL, CONTROL, PIPING, PUMPING CHEMICAL INJECTION PACKAGE, STORAGE...ETC	SET	10	Project for experimental water injection system at Missan field.
08-7-38-0582	PUMPING SET.	SET	5	"
08-7-38-0583	TRANSFER PIPELINE OF 12" DIA. OF API 5LX-X-62 COATED WITH 3MM POLYETHYLENE. EACH SET CONSISTS OF 100 ITEM.	KM	30	"

LOCATION: WEST QURNA

COMPLEMENTARY SYSTEM FOR CRUDE OIL PRODUCTION, WEST QURNA DEGASSING STATION 7 & 8

ACTIVITY NO. (39):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-39-0584	DEGASSING BANKS CONSISTING OF 3-STAGE SEPARATORS INCLUDING ALL STEEL PLATES AND STRUCTURES WITH INTERNAL AND EXTERNAL ACCESSORIES.	SET	12	Equipment for degassing banks at West Qurna allowing additional throughput
08-7-39-0585	PIPING NETWORK, INCLUDING PIPING VALVES, FITTING AND ACCESSORIES.	SET	4	
08-7-39-0586	PUMPING SETS, COMPLETE.	SET	10	
08-7-39-0587	CONSUMABLES INCLUDING WELDING RODS & GRINDERS.	LOT	2	
08-7-39-0588	HANDLING AND SERVICE EQUIPMENT	SET	10	

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS
CONSTRUCTION EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0589	ELECTRODE DRYING OVEN AND PORTABLE GRINDING MACHINES	NOS.	300	Mechanical equipment and spares for construction sites throughout South area.
08-7-00-0590	CUTTING MACHINES	NOS.	20	"
08-7-00-0591	AC - WELDING POWER MACHINE AND STEAM CLEANERS	NOS.	20	"
08-7-00-0592	WELDING & GRINDING ACCESSORIES	NOS.	25000	"
08-7-00-0593	PUMPS FOR PIPE LINE MAINTENANCE	NOS.	15	"
08-7-00-0594	PIPE BENDER SETS	SET	20	"
08-7-00-0595	HYDRAULIC TORQUE WRENCHES WITH ACCESSORIES	SET	30	"
08-7-00-0596	CONCRETE MIXER	NOS.	10	"
08-7-00-0597	AIR COMPRESSORS DIESEL ENGINE DRIVEN.	NOS.	10	"
08-7-00-0598	JACKHAMMERS WITH ACCESSORIES	ITEM	10	"
08-7-00-0599	SIDEBOOMS, MOBILE WORKSHOP	NOS.	10	"
08-7-00-0600	WELDING ELECTRODES.	TON	400	"

MINISTRY OF OIL

SHEET NO.: 38 OF 43

ESTABLISHMENT NAME: SOUTH OIL COMPANY

LOCATION: ALL AREAS

WORKSHOP EQUIPMENT, TOOLS AND SPARES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0601	SPARE FOR SCHOU CYLINDER BLOCK BORING M/C	NOS.	26	Sapres and workshop equipment for use in all sites in South area.
08-7-00-0602	GUILLOTINE SHEAR TYPE TS - H40 - 25	NOS.	4	"
08-7-00-0603	CIRCULAR SAW BLADES	NOS.	3	"
08-7-00-0604	DIGITAL THICKNESS GAUGES	NOS.	2	"
08-7-00-0605	ADJUSTABLE FILLET MEASUREMENT	NOS.	5	"
08-7-00-0606	CAMBRIDGE TYPE MEASUREMENT UNDER CUT WELD	NOS.	5	"
08-7-00-0607	REMOTE CONTROL GAS MOTORIZED CUTTER	NOS.	1	"
08-7-00-0608	AUTOMATIC GAS PIPE HOLE M/C CUTTER	NOS.	1	"
08-7-00-0609	COMBINED SPOT AND PROJECTOR WELDING M/C	NOS.	1	"
08-7-00-0610	PORTABLE HAND GAS CUTTING M/C	NOS.	2	"
08-7-00-0611	PORTABLE A. C. WELDING M/C 5 KVA ENGINE DRIVEN	NOS.	10	"
08-7-00-0612	DYNAMIC BALANCE MACHINES	NOS.	2	"
08-7-00-0613	HOT WATER HIGH PRESSURE CLEANER	NOS.	2	"
08-7-00-0614	D. C. BATTERY CHARGER	NOS.	2	"
08-7-00-0615	LATHE & DRILLS M/C	NOS.	6	"
08-7-00-0616	NOTCHER M/C FOR FABRICATION PLATES BARS & ANGLES	NOS.	1	"
08-7-00-0617	HORIZONTAL BENDING AND STRAIGHTENING PRESS	NOS.	1	"
08-7-00-0618	MULTI PURPOSE M/C (CUTTING , PUNCHING & BENDING)	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL AREAS
WORKSHOP EQUIPMENT, TOOLS & SPARES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0619	SPARE PARTS FOR DIESEL ENGINE DRIVE ROLLS-ROYCE GENERATORS	NOS.	50	Generator and compressor spare parts for all areas in the South.
08-7-00-0620	SPARE PARTS FOR DIESEL ENGINE DRIVE CATERPILLAR GENERATORS	NOS.	50	"
08-7-00-0621	SPARE PARTS FOR DIESEL ENGINE DRIVE CUMMINS GENERATORS	NOS.	40	"
08-7-00-0622	SPARE PARTS FOR ATLAS COPCO AIR COMPRESSOR	NOS.	50	"
08-7-00-0623	SPARE PARTS FOR WELDING MACHINE	NOS.	50	"
08-7-00-0624	SPARE PART FOR HOT TAPPING MACHINE	ITEM	1000	"

MINISTRY OF OIL

ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: LUHAIS FIELD
LUHAIS NATURAL GAS UTILIZATION UNIT
ACTIVITY NO. (40):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-40-0625	TREATMENT PACKAGE OF 1ST STAGE GAS FEEDING , DEHYDRATION AND TRANSPORTATION WITH ALL COMPLEMENTARY SYSTEM & ACCESSORIES CONSISTING OF:	SET	20	Dehydration package for Ist stage gas treatment Luhais degassing station
	- 1ST STAGE FEED GAS SEPARATOR UNITS			"
	- GAS DEHYDRATION UNIT COMPLETE WITH ALL COMPLEMENTARY DEVICES, PUMPS...ETC			"
	- HEAT EXCHANGERS AND REGENERATION UNITS...ETC			"
	- GAS COOLERS			"
	- INSTRUMENT AND CONTROL PACKAGE			"
	- K. O DRUMS			"
	- INTER CONNECTING PIPING , FITTING , VALVES			"
	- ALL NECESSARY ACCESSORIES AND SPARE PARTS			"
	(EACH SET CONSISTS OF 100 ITEMS)			"
08-7-40-0626	PIPE FITTING , VALVES & ACCESSORIES EACH SET CONSISTS OF 100 ITEM	SET	3	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: NAHAR UMAR

NAHR UMAR NATURAL GAS TREATMENT PLANT

ACTIVITY NO. (41):

CODE	ITEM DESCRIPTION	UNIT	QTY	
08-7-41-0627	TREATMENT PACKAGE OF 1ST STAGE GAS FEEDING, DEHYDRATION AND TRANSPORTATION WITH ALL COMPLEMENTARY SYSTEMS & ACCESSORIES CONSISTING OF: - 1ST STAGE FEED GAS SEPARATOR UNITS - GAS DEHYDRATION UNIT COMPLETE WITH ALL COMPLEMENTARY DEVICES, PUMPS. - HEAT EXCHANGERS AND REGENERATION UNIT...ETC - GAS COOLERS - INSTRUMENT AND CONTROL PACKAGE - K. O DRUMS - INTER CONNECTING PIPING , FITTING , VALVES - ALL NECESSARY ACCESSORIES AND SPARE PARTS (EACH SET CONSISTS OF 100 ITEMS)	SET	20	Dehydration package for Ist stage gas treatment Hahar Umar degassing station to improve quality of gas which goes into distribution network " " " " " " " "
08-7-41-0628	TRUNK PIPE LINES OF 24", 20", 16" DIAMETERS 5 LX-X 60 COATED WITH POLYETHYLENE OF 3 MM THICKNESS.	KM	30	Connecting lines for above
08-7-41-0629	PIPE FITTING, VALVES AND ACCESSORIES. EACH SET CONSISTS OF 100 ITEM	SET	30	"

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: SOUTH RUMAILA
UPPER SHELL EXPERIMENTAL WATER INJECTION STUDY
ACTIVITY NO. (42):

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-42-0630	POLISHING FILTERING UNIT OF 750 M^3/HR DESIGN EACH SET CONSISTS OF 100 ITEMS INCLUDING: MULTIMEDIA FILTERS, CHEMICAL INJECTION PACKAGE , CONNECTING PIPING, VALVES AND FITTING , AIR BLOWERS , ELECTRICAL MCC BOARD , CABLING AND COMPLETE PACKAGE OF INSTRUMENT AND CONTROL WITH ALL ACCESSORIES AND SPARE PARTS	SET	10	Equipment for filtration unit for water injection
08-7-42-0631	WATER INJECTION MANIFOLDS OF (15) BRANCHES, SKID MOUNTED, COMPLETED WITH ALL ISOLATING, REGULATING VALVES AND CHECK VALVES.	SET	1	Water injection manifolds

LOCATION: INDUSTRIAL COMPLEX–ZUBAIR

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0632	ELECTRIC OVERHEAD TROLLY CRANES, 10 TON CAPACITY (DOUBLE GIRDER TYPE)	NOS.	2	Mechanical heavy lift equipment

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH OIL COMPANY
LOCATION: ALL FIELDS

ENGINEERING INSPECTION EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0633	TANK BOTTOM INSPECTION TOOL BASED ON MAGNETIC FLUX LEAKAGE METHOD. THE EQUIPMENT SHALL BE CAPABLE TO MEASURE THE REMAINING WALL THICKNESS OF TANK BOTTOM AND SIZE PITTING WITH HIGH ACCURACY WITH ALL ACCESSORIES AND SPARE PARTS	NOS.	2	Equipment for electronic NDT inspection and leak detection
	HYDROSTATIC TEST EQUIPMENT CONSISTING OF:			
08-7-00-0634	DEAD WEIGHT TESTER TO MEASURE HYDROSTATIC PRESSURE OF PIPELINES UP TO 5000 PSI WITH A MINIMUM ACCURACY OF 0.1 PSI WITH ALL ACCESSORIES AND SPARE PARTS.	NOS.	2	Pipe integrity testing equipment
08-7-00-0635	PRESSURE RECORDER TO RECORD HYDROSTATIC PRESSURE OF PIPELINE UP TO 5000 PSI, WITH ALL ACCESSORIES AND SPARE PARTS.	NOS.	2	"
08-7-00-0636	TEMPERATURE RECORDER TO RECORD TEMPERATURE OF WATER OF PIPELINE DURING HYDROSTATIC TEST WITH ALL ACCESSORIES AND SPARE PARTS.	NOS.	2	"
	X-RAY FILMS, CHEMICALS & PROCESSING UNIT:			
08-7-00-0637	FILM PROCESSING UNIT WITH GREY PVC WATER JACKET WITH POLYSTYRENE INSULATION ENCASED IN HIGH GRADE POLYWOOD WITH GREY PVC PANELING, COMPLETE WITH TANKS, LIDS, WASH AND RINSE COMPARTMENTS. 650W IMMERSION HEATER, THERMOMETER AND TEMPERATURE CONTROLLER.	NOS.	2	NDT inspection equipment requirements for all areas.
08-7-00-0638	AGFA FILM WITH LEAD ROLLPACK D7 WITH LEAD 100 MM X 90M MANUFACTURED NOT BEFORE THE MID OF 1999.	NOS.	200	"
08-7-00-0639	AGFA G-230 DEVELOPER POWDER 4X10 LIT.	NOS.	500	"
08-7-00-0640	AGFA G-305 FIXER POWDER 4X10 LIT.	NOS.	500	"

MINISTRY OF OIL
ESTABLISHMENT NAME: IRAQ DRILLING COMPANY
LOCATION: BASRAH AND KIRKUK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0700	SPARE PARTS FOR DRILLING & WORK OVER RIGS	NOS.	100000	Spares for drilling and workover requirements in both North and South areas.
08-7-00-0701	DRILLING & WORK OVER RIGS	NOS.	4	New rigs for above
08-7-00-0702	UPGRADING OF POWER SYSTEM FOR DRILLING RIGS	SET.	5	Power supply requirements
08-7-00-0703	EQUIPMENT & HANDLING TOOLS FOR DRILLING AND WORK OVER RIGS	NOS.	2000	Handling equipment
08-7-00-0704	MOBILE WORKSHOP	NOS.	2	Workshop for repairs "on-site.
08-7-00-0705	LORRY 12 & 16 TONS	NOS.	30	Transportation requirements
08-7-00-0706	LIGHT VEHICLES (PICK UP) AND BUSES 25 & 45 SEATERS	NOS.	100	Spares and equipment for transportation.
08-7-00-0707	TRUCK WITH LOADER & TRAILER/FIELD TRUCKS 50 TONS	NOS.	33	Trucks with low loaders for field transportation
08-7-00-0708	TANKERS FOR WATER & FUEL	NOS.	15	Tankers
08-7-00-0709	RECOVERY TRUCK	NOS.	4	Recovery vehilce
08-7-00-0710	CRANES 25 & 30 TONS	NOS.	16	Lifting equipment
08-7-00-0711	FORKLIFT 15 TONS	NOS.	2	"
08-7-00-0712	DUMPER	NOS.	2	Refuse collection and movement
08-7-00-0713	SPARE PARTS FOR HEAVY VEHICLES	NOS.	30000	Spares
08-7-00-0714	TYRES & BATTERIES	NOS.	5000	"
08-7-00-0715	DRILL PIPE & DRILL COLLAR	NOS.	3500	"

MINISTRY OF OIL
ESTABLISHMENT NAME: IRAQ DRILLING COMPANY
LOCATION: BASRAH AND KIRKUK

SHEET NO.: 2 OF 2

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0716	WELDING MACHINES	NOS.	25	Field equipment for use by IDC throughout North and South areas.
08-7-00-0717	MUD PUMPS FOR RIGS	NOS.	8	"
08-7-00-0718	SAFETY AND INSPECTION EQUIPMENT	NOS.	60000	"
08-7-00-0719	PERSONAL COMPUTER	NOS.	20	"
08-7-00-0720	DESALINATION SYSTEM FOR DRILLINGS CAMPS	NOS.	10	"
08-7-00-0721	DRILLING CAMPS FOR 104 PERSONS	NOS.	4	"
08-7-00-0722	TOOL PUSHER CARAVAN (OFFICE)	NOS.	10	"
08-7-00-0723	WORK SHOP EQUIPMENTS & HAND TOOLS	NOS.	20000	"
08-7-00-0724	MUD LOGGING UNITS	UNIT	2	"

MINISTRY OF OIL
SHEET NO.: 1 OF 6
ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)
LOCATION: ALL SITES

CONSTRUCTION EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0750	CRANES HYDRAULIC TRUCK MOBILE: 50 & 120TONS WITH RECOMMENDED SPARE PARTS	NOS.	6	Vehicles required fro maintenance of pipeline systems
08-7-00-0751	CRAWLER HYDRAULIC EXCAVATORS WITH DIESEL ENGINE. WITH 1.0 CU.M. BUCKET SIZE WITH RECOMMENDED SPARE PARTS	NOS.	5	"
08-7-00-0752	LORRY WITH CRANE WITH RECOMMENDED SPARE PARTS	NOS.	5	"
08-7-00-0753	TIPPER (DUMP) TRUCKS WITH RECOMMENDED SPARE PARTS.	NOS.	10	"
08-7-00-0754	DRINKING WATER TANKER WITH RECOMMENDED SPARE PARTS	NOS.	5	"
08-7-00-0755	FUEL TANKER WITH RECOMMENDED SPARE PARTS.	NOS.	5	"
08-7-00-0756	RECOVERY & LUBRICATING TRUCK WITH RECOMMENDED SPARE PARTS.	NOS.	4	"
08-7-00-0757	TRACK-TYPE TRACTORS (BULLDOZER) WITH RECOMMENDED SPARE PARTS	NOS.	5	"
08-7-00-0758	WHEEL LOADER WITH HYDRAULIC DRIVE HP WITH RECOMMENDED SPARE PARTS.	NOS.	5	"
08-7-00-0759	GRADER WITH HYDRAULIC DRIVE WITH RECOMMENDED SPARE PARTS	NOS.	5	"
08-7-00-0760	SIDE BOOM572 WITH RECOMMENDED SPARE PARTS	NOS.	5	"

MINISTRY OF OIL

SHEET NO.:2 OF 6

ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)

LOCATION: ALL SITES

CONSTRUCTION EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0761	DEWATERING PUMP DIESEL DRIVEN ENGINE WITH RECOMMENDED SPARE PARTS.	NOS.	12	"
08-7-00-0762	WELDING MACHINES DIESEL DRIVEN WITH RECOMMENDED SPARE PARTS SKID MOUNTED.	NOS.	50	"
08-7-00-0763	ELECTRICAL WELDING MACHINE WITH RECOMMENDED SPARE PARTS.	NOS.	50	Welding machines for pipeline construction
08-7-00-0764	PIPELINE BORING MACHINE WITH RECOMMENDED SPARE PARTS.	NOS.	2	Pipe construction machinery
08-7-00-0765	CLAMPS INTERNAL VARIOUS SIZES WITH RECOMMENDED SPARE PARTS	NOS.	2	"
08-7-00-0766	FORK LIFT5 TONS WITH RECOMMENDED SPARE PARTS.	NOS.	10	"
08-7-00-0767	PORTABLE ROTARY SCREW COMPRESSOR WITH WATER COOLED ENGINE MAX WORKING PRESSURE (7-12) BAR WITH RECOMMENDED SPARE PARTS.	NOS.	10	For pressurizing lines.
08-7-00-0768	TEST PUMP HORIZONTAL TRIPLEX PISTON PUMP WITH RECOMMENDED SPARE PARTS.	NOS.	2	Transportation requirements
08-7-00-0769	DUMPER (2-3M³)	NOS.	4	"
08-7-00-0770	TRACTOR	NOS.	20	"
08-7-00-0771	TRUCK TRACTOR (6x4)-PAY LOAD 50 TONS & 80 TONS	NOS.	12	"
08-7-00-0772	TRUCK CONCRETE MIXER.	NOS.	2	"
08-7-00-0773	SEMI TRAILER FOR CEMENT CONTAINER	NOS.	4	"

MINISTRY OF OIL

SHEET NO.: 3 OF 6

ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)

LOCATION: ALL SITES

LIGHT VEHICLES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0774	DOUBLE CABIN PICK UP	NOS.	50	Transport requirements for SCOP personnel
08-7-00-0775	MINI BUS	NOS.	25	"

LOCATION: ALL SITES

SPARE PARTS FOR CONSTRUCTION MACHINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0776	- SPARE PARTS FOR MAINTENANCE OF SIDE BOOM CAT.583, 572,571/ FIATELIS/ KOMATSU	ITEM	300	Spare parts for equipment as noted
08-7-00-0777	- SPARE PARTS FOR MAINTENANCE OF BULLDOZERS/ CATD9, D8, D7/ FIATELIS/ KOMATSU/ FIATELIS	ITEM	150	"
08-7-00-0778	- SPARE PARTS FOR MAINTENANCE OF SHOVELS/LIEBHER, CATARPILLER	ITEM	200	"
08-7-00-0779	- SPARE PARTS FOR MAINTENANCE OF GRADERS /CAT.	ITEM	30	"
08-7-00-0780	- SPARE PARTS FOR MAINTENANCE OF EXCAVATORS LIEBHER/CASE 9033,POCLAIN, KATO	ITEM	100	"
08-7-00-0781	- SPARE PARTS FOR MAINTENANCE OF CRANES, TADANO/P & H LIEBHER, DEMAC	ITEM	200	"
08-7-00-0782	- SPARE PARTS FOR MAINTENANCE OF RC/EVANS EQUIPMENT.	ITEM	100	"
08-7-00-0783	- SPARE PARTS FOR MAINTENANCE OF WELDING MACHINES LINCOLN.	ITEM	100	"
08-7-00-0784	- SPARE PARTS FOR MAINTENANCE LIGHT FIELD VEHICLE OF TOYOTA ,MITSUBISHI & NISSAN	ITEM	400	"

MINISTRY OF OIL

SHEET NO.: 4 OF 6

ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)

LOCATION: ALL SITES

SPARE PARTS FOR CONSTRUCTION EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0785	- SPARE PARTS FOR MAINTENANCE OF WATER PUMPS KSB	ITEM	100	Mechanical spare parts for construction related equipment
08-7-00-0786	- SPARE PARTS FOR COMPRESSORS/ATLAS COPCO/AIR MAN	ITEM	60	"
08-7-00-0787	- SPARE PARTS FOR FORK LIFT , YALE	ITEM	60	"
08-7-00-0788	- SPARE PARTS FOR HEAVY TRUCKS DAEWOO, IVECO	ITEM	500	"
08-7-00-0789	- SPARE PARTS FOR MAINTENANCE OF DIESEL BUSES (SCANIA & NISSAN).	ITEM	150	"

LOCATION: ALL SITES

TYRES FOR CONSTRUCTION EQUIPMENT

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0790	- TYRES FOR CONSTRUCTION EQUIPMENT VARIOUS SIZES	NOS.	2200	Tyres for transportation and construction equipment.

MINISTRY OF OIL SHEET NO.: 5 OF 6

ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)

LOCATION: ALL SITES

CONSTRUCTION CONSUMABLES

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0791	- PIPELINE LAYING ACCESSORIES AND CONSUMABLES	ITEM	30	Construction equipment for pipelaying, and consumables.
08-7-00-0792	- TANK OVERHAUL & MAINTENANCE ACCESSORIES AND CONSUMABLES	ITEM	40	"
08-7-00-0793	- WORKSHOP TOOLS & EQUIPMENT	ITEM	50	"
08-7-00-0794	- WELDING ELECTRODES	TON	100	"

LOCATION: ALL SITES

INSPECTION EQUIPMENT, MATERIALS & TOOLS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0795	- X-RAY EQUIPMENT	SET	2	NDT requiremenys for pipe and tank inspection
08-7-00-0796	- ACCESSORIES OF RADIOGRAPHIC INSPECTION OF WELDED JOINTS (FILMS, CHEMICALS ,SAFETY EQUIPMENT)	ITEM	20	"
08-7-00-0797	- ULTRASONIC THICKNESS METER FLOW DETECTOR WITH PROBES, TEST BLOCK AND OTHER ACCESSORIES	ITEM	4	"
08-7-00-0798	- DYE PENETRATION MATERIALS	SET	100	"
08-7-00-0799	- COATING &PAINT INSPECTION UNITS (HOLIDAY DETECTOR & THICKNESS GAUGE)	ITEM	3	"
08-7-00-0800	- PORTABLE HARDNESS TESTER	NOS.	1	"
08-7-00-0801	- WELD SEAM VACUUM TEST DEVICE	NOS.	10	"
08-7-00-0802	- ISOTOPE SOURCES .IR 192 (40-100) CURIES.	NOS.	4	"

MINISTRY OF OIL

ESTABLISHMENT NAME: OIL PROJECTS COMPANY (SCOP)

LOCATION: ENGINEERING OFFICES

DESIGN OFFICE REQUIREMENTS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0803	ENGINEERING STANDARDS ON C.D. ROMS (API,ASTM, ASME, ANSI, NFPA, ACI,IEC, ASHERE, AASHO, AWWA, CCITT...ETC).	SET	2	Office equipment requirements (as per Phase 6)
08-7-00-0804	ENGINEERING DESIGN SOFTWARE (PROCESS, EQUIPMENT, PIPING, INSTRUMENTATION, ELECTRICAL, CIVIL WORK & ARCHIVING SOFTWARE).	SET	1	"
08-7-00-0805	PROJECT MANAGEMENT SOFTWARE (COSTING, SCHEDULING, QUALITY, ENVIRONMENTAL & CONTRACT)	SET	1	"
08-7-00-0806	PHOTOCOPYING MACHINE FOR DRAWING UP TO (A0) SIZE.	NOS.	1	"
08-7-00-0807	SCANNER SIZE (A0) COMPATIBLE TO PC. RESOLUTION MIN 1200x1200 AND RASTER TO VECTOR SOFTWARE ANALYSIS WITH AUTO CAD FILE FORMAT.	NOS.	1	"
08-7-00-0808	PORTABLE TEST EQUIPMENT AND INSTRUMENTS (AVOS, CLAMP AMMETERS, AIR FLOW METERS, VIBRATION METERS, EARTH RESISTANCE METER, ETC.)	NOS.	10	Test equipment for site use.
08-7-00-0809	MULTI FUNCTION TEST INSTRUMENT FOR CATHODIC PROTECTION SYSTEM.	NOS.	2	"

MINISTRY OF OIL SHEET NO.: 1 OF 5

ESTABLISHMENT NAME: OIL EXPLORATION COMPANY

LOCATION: NORTHERN, CENTRAL, AND SOUTHERN OIL FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0850	GEOPHYSICAL FIELD EQUIPMENT AND RELATED UTILITIES FOR OIL FIELDS PRODUCTION ENHANCEMENT CONSISTING OF :-			
	VSP (VERTICAL SEISMIC PROFILE) RECORDING SYSTEM CONSISTING OF: DOWNHOLE VSP TOOL SETS, CABLE, WINCH, RECORDING TRUCK SURFACE CONTROL EQUIPMENT, VIBRATOR CONTROL ELECTRONICS, SET OF SPARES, CONSUMABLES AND ACCESSORIES	SET	1	Equipment for exploration for production support purposes. For use in S.W. and Central Iraq, and in Western Desert
	- LAND GRAVITY METER FOR OILFIELD EXPLORATION PURPOSES	NOS.	1	"
	- RESISTIVITY RECEIVER FOR OILFIELD EXPLORATION PURPOSES	NOS.	1	"
	- PORTABLE MAGNETOMETER	NOS.	1	"
	- SEISMIC ENERGY SOURCE VIBRATOR, (4 X 4) WITH SPARE PARTS.	NOS.	2	"
	- MOBILE DRILLING RIG, MAX. DEPTH 150 MTR. WITH SPARE PARTS.	NOS.	4	"
	- DIESEL GENERATOR SET 350 - 600 KVA , WITH CONTROL BOARD , WITH SPARE PARTS	NOS.	10	"
	- MOBILE DIESEL WELDING MACHINE , WITH SPARE PARTS	NOS.	2	"
	- RUBBER TANK, 12,000 LTR. WITH ACCESSORIES	NOS.	6	"
	- BULLDOZER , 150 - 200 HP WITH SPARE PARTS	NOS.	2	"
	- CARGO TRUCK , 5 TONS CAPACITY , (FOR GEOPHONE TRANSPORT) , WITH SPARE PARTS	NOS.	9	"
	- CARGO TRUCK (8 TON PAYLOAD) WITH BODY AND FITTED CRANE , WITH SPARE PARTS	NOS.	2	"
	- MARSH BUGGY TRACTOR , WITH FITTED TANK WITH SPARE PARTS	NOS.	2	"

MINISTRY OF OIL
SHEET NO.: 2 OF 5
ESTABLISHMENT NAME: OIL EXPLORATION COMPANY
LOCATION: NORTHERN, CENTRAL AND SOUTHERN OIL FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0851	- MARSH BUGGY TRACTOR , WITH UTILITY BODY FOR GEOPHONE TRANSPORTATION , WITH SPARE PARTS	NOS.	2	"
	- WATER TANKER TRUCK, 8,000 LTR. CAPACITY ,WITH SPARE PARTS	NOS.	9	"
	- 30 SEATER BUS , DIESEL ENGINE , FOR FIELD WORK PURPOSES , WITH SPARE PARTS	NOS.	6	"
	- PICK-UP WITH SPARE PARTS	NOS.	23	"
	- SEISMIC EXPLOSIVES SPECIFIC FOR SEISMIC SURVEYS OF VELOCITY 6000 – 6200 MTR/SEC.	TON	250	"
	- DETONATING CAPSULES SPECIFIC FOR THE SEISMIC EXPLOSIVES	NOS.	150,000	"
	- LOW-LOADER WITH TRUCK , 40 TON , WITH SPARE PARTS	NOS.	2	"
	- FUEL TANKER TRUCK, 8 CU.MTR. , WITH SPARE PARTS	NOS.	2	"
	- TILTBACK TRUCK, 6-8 CU.MTR. , WITH SPARE PARTS	NOS.	1	"
	- SHOVEL , BUCKET SIZE 1.5 - 2 CU. MTR., ON TYRES , WITH SPARE PARTS	NOS.	1	"
	- CRANE , 30 TONS , WITH SPARE PARTS	NOS.	1	"
	- FORK LIFT , 3 TONS , DIESEL ENGINE , WITH SPARE PARTS	NOS.	2	"
	- FORK LIFT , 5 TONS , DIESEL ENGINE , WITH SPARE PARTS	NOS.	2	"
	- SPARE PARTS FOR KAMAZ TRUCKS	LOT	1	"
	- DUMPER, 0.5 CU.MTR. BUCKET , DIESEL ENGINE , ON WHEELS , WITH SPARE PARTS	NOS.	2	"

MINISTRY OF OIL SHEET NO.: 3 OF 5
ESTABLISHMENT NAME: OIL EXPLORATION COMPANY
LOCATION: NORTHERN, CENTRAL, AND SOUTHERN OIL FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0852	GEOLOGICAL STUDIES AND LABORATORY RELATED EQUIPMENT FOR OIL FIELDS PRODUCTION ENHANCEMENT CONSISTING OF :-			Gelogical labs for rock analyses, core, crude oil analysis all for well appraisal
	- DESATURATION CAPILLARY PRESSURE INSTRUMENT BY RESTORED STATE	NOS.	1	"
	- ACOUSTIC VELOCITY DETERMINATION INSTRUMENT	NOS.	1	"
	- GAS-OIL (KG / KO) RELATIVE PERMEABILITY DETERMINATION INSTRUMENT	NOS.	1	"
	- CORE HOLDER FOR PERFORMING FLOW TEST AND RELATIVE PERMEABILITY DETERMINATION (FLOODING)	NOS.	1	"
	- REFRIGERATED CENTRIFUGE (CAPILLARY PRESSURE TEST BY CENTRIFUGE)	NOS.	1	"
	- ADVANCED STEREOSCOPY SYSTEM FOR PHOTOGEOLOGICAL INTERPRETATIONS	NOS.	1	"
	- X-RAY SPECTROSCOPY SYSTEM (XRD)	NOS.	1	"
	- CORE-SCAN COLOUR (CORE – LOG INTEGRATION AND EVALUATION)	NOS.	1	"
	- VACUUM EMBEDDING MACHINE FOR PREPARATION OF THIN SECTION	NOS.	1	"
	- GRINDING MACHINE FOR THIN LAMINATION AND FINISHING ATTACHED TO A POLARIZED LIGHT SCREEN	NOS.	1	"
	- ROCK-EVAL-6 ANALYSER	NOS.	1	"
	- POUR POINT MEASURING INSTRUMENT FOR OIL , RANGE (+ 38 TO BELOW – 40 ° C)	NOS.	1	"
	- AUTOMATIC SULPHUR TESTER	NOS.	1	"
	- ORGANIC CARBON DETERMINATION INSTRUMENT (LECO)	NOS.	1	"
	- HELIUM GAS CYLINDER	NOS.	10	"

MINISTRY OF OIL

SHEET NO.: 4 OF 5

ESTABLISHMENT NAME: OIL EXPLORATION COMPANY

LOCATION: NORTHERN, CENTRAL, AND SOUTHERN OIL FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
CONTINUATION TO: 08-7-00-0852	- CARBON ISOTOPE MEASUREMENT INSTRUMENT	NOS.	1	Aboratory equipement and spectroscopes for mineral identification and age determination.
	- GAS CHROMATOGRAPH – MASS SPECTROSCOPE	NOS.	1	"
	- BIOLOGICAL MICROSCOPE ATTACHED TO A PC , WITH DIGITAL CAMERA , SOFTWARE AND COLOUR LASER PRINTER	SET	1	"
	- X-RAY POWDER DIFFRACTION SYSTEM (XRF)	NOS.	1	"
	- ENERGY DISPERSIVE MICROANALYSIS SYSTEM (EDS)	SET	1	"
	- INDUCTIVE-COUPLED PLASMA ATOMIC SPECTROMETER	NOS.	1	"
	- PYROLYSIS – G.C.	NOS.	1	"

LOCATION: NORTHERN, CENTRAL, AND SOUTHERN OIL FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0853	COMPUTERS, DRAFTING AND OFFICE RELATED EQUIPMENT FOR WORK ON OIL FIELDS PRODUCTION ENHANCEMENT			Service contract for transcribing exisiting seismiuc data which is rapidly deteriorating.
	- SERVICE CONTRACT FOR AN INTEGRATED MAGNETIC TAPE TRANSCRIPTION AND ARCHIVING PROJECT	CONT.	1	"
	- INTERACTIVE WORKSTATIONS WITH SPARES AND CONSUMABLES	NOS.	12	"
	- GEOLOGICAL AND GEOPHYSICAL SOFTWARE (HERESIM, INTER WELL)	NOS.	1 EACH	"
	- VISION FILE A / E ARCHIVING SOFTWARE FOR 10 USERS	NOS.	1	"
	- SUPERMATIC PROCESSOR FOR CONVENTIONAL AND WASHOFF PROCESSING AND PRINTING	NOS.	1	"
	- PHOTOCOPYING MACHINE A0 SIZE	NOS.	2	"
	- COLOUR SCANNER A0 SIZE	NOS.	2	"
	- COLOUR PLOTTER A0 SIZE	NOS.	2	"

MINISTRY OF OIL SHEET NO.: 5 OF 5

ESTABLISHMENT NAME: OIL EXPLORATION COMPANY

LOCATION: NORTHERN, CENTRAL, AND SOUTHERN OIL FIELDS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-0854	ENVIRONMENT ,SAFETY AND TESTING RELATED EQUIPMENT FOR OIL STAFF OFFICES AND RESIDENTIAL VILLAGE CONSISTING OF :-			
	- STORM WATER PUMP	NOS.	1	Repairs and maintenance to "oil village' run by oil exploration company for permanent staff.
	- SPARE PARTS FOR (M.A.N.) ELEVATORS	SET	5	"
	- SUBMERSIBLE PUMP FOR WATER WELLS , WITH SPARE PARTS	NOS.	2	"
	- FIRE-FIGHTING TRUCK WITH SPARE PARTS	NOS.	1	"
	- HEAVY DUTY GARBAGE COLLECTING TRUCK WITH SPARE PARTS	NOS.	2	"
	- TELESCOPIC PLATFORM FOR MAINTENANCE AND REPLACEMENT OF STREET LIGHTING FITTINGS	NOS.	1	"
	- BUSES (40 SEATERS) WITH SPARE PARTS	NOS.	2	"
	- TELEPHONE EXCHANGE , 500 LINES INTERNAL AND 20 LINES EXTERNAL WITH SPARE PARTS	NOS.	2	"
	- TELEPHONE SETS WITH SPARE PARTS	NOS.	1,200	"
	- INSULATION OIL ELECTRIC STRENGTH TESTER	NOS.	1	Transformers for oil village electrical supply
	- MEDIUM VOLTAGE BAR CONDUCTOR TESTER - (PROBE TYPE)	NOS.	1	"
	- STREAM LINE MOUNTED INSULATION OIL FILTER	NOS.	1	"

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

SHEET NO.: 1 OF 6

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-50-1000	ACTIVITY NO. (50) REPAIR AND MAINTENANCE OF BLOWN ASPHALT BAGGING UNIT CONSISTING OF THE FOLLOWING ITEMS:			Repeat of Phase 6 application. Items not ordered and transported to Phase 7
	- INSTRUMENTATION AND CONTROL SYSTEMS	SET	250	
	- COLUMN INTERNALS	SET	200	
	- TUBES, PIPE FITTINGS	NOS.	2000	
	- PIPES OF DIFFERENT MATERIALS & SIZES	MTR.	10000	
	- HEAT EXCHANGER BUNDLES & -AIR COOLER FIN FAN BUNDLES	SET	25	
	- ROTATING EQUIPMENT (PUMPS, COMPRESSORS, TURBINES) WITH SPARES	SET	200	
08-7-51-1001	ACTIVITY NO. (51) REPAIR AND MAINTENANCE OF THREE (L.G.O) H D S UNITS CONSISTING OF THE FOLLOWING ITEMS :			Repeat of Phase 6 application; only 1 contract (heat exchangers) processed in Phase 6, total balance transported to Phase 7.
	- BOILER SUPER HEATER BUNDLES & ANCILLARIES , WITH RECOMMENDED SPARE PARTS	SET	20	
	- SPARE PARTS FOR THE BOILERS			
	- COMPLETE ROTATING EQUIPMENT WITH SPARES	NOS.	1000	
	(PUMPS, COMPRESSORS, TURBINE ...... ETC)	SET	600	
	- COOLING TOWER PACKINGS & ANCILLARIES	SET	10	
	- INSTRUMENTATIONS & CONTROL SYSTEMS	SET	1000	
	- ELECTRICAL EQUIPMENT WITH SPARES	SET	500	
	- CABLES	MTR	10000	
	- TUBE BUNDLES & FIN- FAN AIR COOLERS	SET	100	
08-7-52-1002	ACTIVITY NO.(52) REPAIR AND MAINTENANCE OF SULFUR RECOVERY UNIT CONSISTING OF THE FOLLOWING ITEMS:			Repeat of Phase 6 order; nothing processed in Phase 6 and now transported to Phase 7.
	- MAINTENANCE TOOLS	SET	100	
	- AIR CONDITION SETS WITH SPARES	SET	50	
	- BEARINGS	SET	500	
	- ELECTRICAL EQUIPMENT WITH SPARES	SET	500	
	- GASKETS , VALVES , V- BELTS , BOLTS & NUTS	SET	1000	
	- TUBES , PIPE FITTINGS	SET	500	
	- PIPES OF DIFFERENT MATERIALS & SIZES	MTR	10000	
	- INSTRUMENTATION & CONTROL SYSTEMS	SET	500	

MINISTRY OF OIL **SHEET NO.: 2 OF 6**
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-53-1003	ACTIVITY NO.(53) REPAIR AND MAINTENANCE OF LUBE OIL COMPLEX CONSISTING OF THE FOLLOWING ITEMS: - COMPLETE CHILLERS WITH RECOMMENDED SPARES - ROTARY EQUIPMENT (PUMP, COMPRESSORS AND TURBINES) WITH RECOMMENDED SPARE PARTS - INSTRUMENTATIONS : - FIELD INSTRUMENTS - CONTROL ROOM INSTRUMENTS - PROCESS CONTROL COMPUTER & MONITORS - ANALYTICAL INSTRUMENTS -ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES - COOLING TOWER PACKING & ANCILLARIES - TUBE BUNDLES & FIN- FAN AIR COOLERS - COLUMNS & INTERNALS - HEATERS & ANCILLARIES	SET SET SET SET SET SET SET SET SET SET SET	50 100 200 200 20 50 200 4 50 5 4	Repeat of Phase 6 application; some items ordered in Phase 6 and balance transported to Phase 7.
08-7-54-1004	ACTIVITY NO. (54) REPAIR AND MAINTENANCE OF FOUR DEMINERALIZATION UNITS CONSISTING OF THE FOLLOWING ITEMS (PUMPS, PIPES, INSTRUMENTATION, VALVES, BLOWERS, INTERNALS VESSELS, ANALYZERS, MOTORS, DISSOLVING SYSTEMS)	LOT	4	Equipment for boiler water treatment ..
08-7-55-1005	ACTIVITY NO. (55) NEW REVERSE OSMOSIS PROJECT CONSISTS OF 3 LINES INCLUDING THE FOLLOWING ITEMS (PUMPS, FILTERS, TANKS , BLOWERS, CHLORINATING SYSTEMS, CONTROL ROOMS, INSTRUMENTATION, ELECTRICAL EQUIPMENT, LABORATORY DEVICES, PIPES, VALVES, VESSELS)	LOT	3	Raw water desalination for boiler water.

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-56-1006	ACTIVITY NO.(56) INSTALL FLUIDIZED CATALYTIC CRACKING "FCC" UNIT WITH THE OTHER REQUIRED DOWN STREAM UNITS CONSISTING OF THE FOLLOWING ITEMS (HEAT EXCHANGER , AIR COOLERS , RISER, REGENERATERS , INSTRUMENTS , COLUMNS , ELECTRICAL EQUIPMENT ROTATING EQUIPMENT , WELDING EQUIPMENT AND TOOLS , WELDING RODS, PIPES, FITTINGS)	LOT	6	Equipment for new project to improve gasoline output by 30,000 bpd. Not all items required are contained in this application under Phase 7
08-7-57-1007	ACTIVITY NO. (57) - REPAIR AND MAINTENANCE OF KIRKUK REFINERY WASTE WATER UNIT REVAMP : - PUMPS WITH RECOMMENDED SPARE PARTS - OIL SKIMMERS & DAF UNIT - PIPES OF DIFFERENT SIZES & TYPES - PIPE FITTINGS - TANKS WITH DIFFERENT SIZES AND ACCESSORIES - INSTRUMENTATION CONTROL SYSTEMS - ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARE PARTS - TESTING & MEASURING EQUIPMENT AND DEVICES	 NOS. NOS. MTR. NOS. NOS. SET SET SET	 40 3 10000 2000 6 30 20 50	Small treatment units (20,000 bpd) for water treatment apparatus to reduce contamination of waster water outflow to surrounding countryside.
08-7-00-1008	ENVIRONMENTAL POLLUTION MEASURING EQUIPMENT	SET	100	Water and air pollution measurement equipment
08-7-00-1009	FIRE FIGHTING SYSTEMS , SAFETY EQUIPMENT WITH RECOMMENDED SPARES	SET	100	General fire fighting equipment (CO2/foam)
08-7-00-1010	COMPLETE ROTATING EQUIPMENT WITH RECOMMENDED SPARES - COMPLETE PUMPS - COMPLETE TURBINES WITH RECOMMENDED SPARES - COMPLETE GEAR BOXES, FANS - COMPLETE COMPRESSORS	 SET SET SET SET	 100 70 50 30	Complete rotating machinery replacements for Beiji refinery.

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1011	COMPLETE MECHANICAL EQUIPMENT WITH RECOMMENDED SPARES :			General equipment and spares for refinery repair and refurbishment.
	- HEAT EXCHANGER BUNDLES & AIR COOLER FIN FAN BUNDLES	SET	100	
	- BOILER COMPLETE WITH ACCESSORIES	SET	1	
	- SUPER HEATERS FOR BOILERS	SET	10	
	- CHILLERS & EXCHANGERS	SET	100	
	- BURNERS	SET	100	
	- BLOWERS & SUIT BLOWERS	SET	100	
	- AIR CONDITIONING EQUIPMENT	SET	100	
	- VESSELS, COLUMNS, DRUMS AND FLARE TIP VESSELS	SET	500	
	- TANKS WITH DIFFERENT SIZES	SET	20	
	- COOLING TOWER PACKINGS	SET	100	
	- MAINTENANCE TOOLS	SET	500	
	- PIPES	MTR.	10000	
	- FITTINGS	SET	2000	
	- VALVES, STRAINERS , WITH DIFFERENT SIZES&TYPES	NOS.	5000	
	- GASKETS	SET	1000	
08-7-00-1012	INSTRUMENTATIONS AND CONTROL SYSTEMS WITH RECOMMENDED SPARES:			Replacement instrumentation and equipment for control of refinery operations.
	- U.P.S SYSTEMS	SET	500	
	- FIELD INSTRUMENTS	SET	2000	
	- ANALYZERS	NOS,	50	
	- CONTROL ROOM INSTRUMENTS	SET	500	
	- EXCHANGE & INTERCOM SYSTEMS	SET	50	
	- EXTENSION CABLES FOR T.C & SIGNAL CABLES	MTR.	20000	
	- PLC SYSTEMS	SET	100	
	- MAINTENANCE TOOLS	SET	100	
	- PROCESS CONTROL COMPUTERS & MONITORS	SET	100	
	- ANALYTICAL INSTRUMENTS	NOS.	50	

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

SHEET NO.: 5 OF 6

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1013	ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES :			Electrical equipment for refinery repair and maintenance, plus compressors.
	- MOTORS WITH RECOMMENDED SPARES	SET	100	
	- TRANSFORMERS	SET	100	
	- SUBSTATIONS	SET	50	
	- GENERATORS(TURBOGAS AND DIESEL)	SET	100	
	- LIGHTING & LIGHTING FIXTURES	SET	500	
	- FIELD & CONTROL EQUIPMENT	SET	1000	
	- CABLES	MTR.	10000	
	- MAINTENANCE TOOLS	SET	100	
	- BEARINGS	SET	250	
	- COMPRESSORS FOR REFRIGERATORS	SET	200	
	- SPARE PARTS FOR ELECTRICAL EQUIPMENT	SET	2000	
	- TESTING EQUIPMENT	SET	100	
08-7-00-1014	- MACHINES FOR MANUFACTURING BOTTLES ,CANS AND BARRELS WITH RECOMMENDED SPARE PARTS	SET	50	Machinery to manufacture plastic bottles and cans, and steel barrels, for refinery usage.
	- SPARE PARTS FOR THE EXISTING MANUFACTURING MACHINES FOR BOTTLES ,CANS AND BARRELS	NOS.	8000	
08-7-001015	MEASURING & TESTING DEVICES, MATERIALS WITH RECOMMENDED SPARES:			Laboratory equipment and consumables for internal quality control procedures in refinery.
	- LABORATORY EQUIPMENT AND ANALYZERS	SET	200	
	- GLASSWARE & APPARATUS	SET	100	
	- CHEMICAL REAGENTS FOR INTERNAL QUALITY CONTROL PURPOSES	KG. LIT.	500 500	

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH REFINERIES COMPANY
LOCATION: BAIJI

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1016	CATALYSTS	TON	1000	Replacement catalyst agents
08-7-00-1017	CHEMICALS ADDITIVES :			Additives for gasoline, lube oil and gas oil production.
	- TETRA ETHYL LEAD (T. E. L)	TON	150	
	- ADDITIVES FOR MOTOR ENGINE OILS	TON	500	
	- ADDITIVES FOR DIESEL ENGINE OILS	TON	400	
	- ADDITIVES FOR VISCOSITY INDEX IMPROVER	TON	100	
08-7-00-1018	TRANSPORTATION AND SERVICES EQUIPMENT WITH RECOMMENDED SPARES:			Equipment and spares for general refinery infrastructure and transportation, internally and externally, refinery being 4 * 3 kms.
	- AIR COMPRESSORS WITH SPARE PARTS	SET	100	"
	- CRANES	NOS.	5	"
	- FORKLIFTS	NOS.	4	"
	- DUMP TRUCKS	NOS.	4	"
	- LORRIES	NOS.	6	"
	- AMBULANCES	NOS.	3	"
	- SHOVELS	NOS.	2	"
	- BULDOZERS	NOS.	1	"
	- TRUCKS (VARIOUS TYPES)	NOS.	4	"
	- MINI BUSES & BUSES (45 SEATS)	NOS.	40	"
	- CREW PICK – UPS DOUBLE CABIN	NOS.	50	"
	- LANDCRUISER OR EQUIPMENT	NOS.	20	"
	- GRADER	NOS.	1	"
	- EXCAVATOR	NOS.	1	"
	- TANKERS	NOS.	2	"

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1050	ROTATING EQUIPMENT WITH RECOMMENDED SPARE PARTS:			Equipment and spares for general repair and maintenance of refinery operations
	- PUMPS COMPLETE DRIVEN BY MOTORS, STEAM TURBINES OR DIESEL ENGINES.	SET	50	
	- AIR COMPRESSORS WITH MOTORS OR STEAM TURBINES.	SET	4	"
	- FANS WITH MOTORS, GEARBOXES.	SET	15	"
08-7-00-1051	SPARE PARTS FOR EXISTING ROTATING EQUIPMENT (PUMPS, COMPRESSORS, DIESEL ENGINES, GEAR BOXES STEAM TURBINES INCLUDING STEAM TURBINE FOR (K201) COMPRESSOR)	NOS.	4000	Equipment and spares for general repair and maintenance of refinery operations

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1052	MECHANICAL EQUIPMENT WITH RECOMMENDED SPARE PARTS:			Equipment for cleaning heat exchangers
	- HIGH PRESSURE WATER BLASTING MACHINES, ELECTRICAL AND DIESEL DRIVEN WITH CLEANING ACCESSORIES.	SET	2	
	- GENERAL MAINTENANCE TOOLS AND DEVICES ELECT. & MECH. COMPLETE TOOL BOXES, AND SPECIAL TOOLS	NOS.	5000	Equipment and spares for maintenance
	- CARBON STEEL PLATES FOR STORAGE TANKS REPAIR	SHEETS	1800	Steel plate for repairing 25 damaged storage tansk.
	- LOW CARBON PIPES	MTR.	5000	Specialized fittings for chilling and lube oil plants
	- FITTINGS, CHECK VALVES AND STEAM TRAPS	NOS.	10000	
	- CARBON STEEL PIPES PROTECTED INTERNALLY AGAINST CORROSION	MTR.	2000	Effluent piping - corrosion resistant
	- INSULATION MATERIALS FOR PIPES AND STRUCTURES(CALICUIM SILICATE AND CORK)	MTR. SQ.M.	60000 10000	Moulds for pipes.
	- SPARE PARTS FOR PLASTIC BOTTLES MANUFACTURING PLANT	NOS.	2000	Bottling plant consumables.
	- HOISTING ROPES FOR RIGGING ACTIVITIES	MTR.	12000	Ropes for rigging
	- HEAT EXCHANGERS GASKETS	SET	250	Gaskets for heat exchangers
	- TUBE BUNDLES, STRAIGHT OR U-TUBE COMPLETE WITH BAFFLE PLATES AND TUBE SHEETS	NOS.	15	Heat exchanger equipment
	- MAGNISIUM ANODES FOR INTERNAL CATHODIC PROTECTION FROM CORROSION FOR COOLERS PARTS(WATER SIDE)	NOS.	3000	Anodes for cathodic protection
	- WELDING ELECTRODES	TON	40	Welding electrodes
	- HIGH PRESSURE REINFORCED RUBBER HOSES TO BE USED IN PROCESS UNITS	MTR.	20000	Specialized hoses for process units
	- MIXERS FOR CRUDE TANKS, PRODUCTS TANKS COMPLETE WITH MOTORS AND RECOMMENDED SPARE PARTS	SET	10	Mixers for tank circulation

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

SHEET NO.: 3 OF 6

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1053	TRANSPORTATION AND SERVICES EQUIPMENT WITH RECOMMENDED SPARES:			Routine maintenance and operations
	- DESLUDGING TANKER WITH ACCESSORIES	NOS.	1	
	- DRUM SQUEEZERS ADAPTABLE AS FORKLIFT (2.5-3) TON, AND (5) TON CAPACITY WITH ACCESSORIES.	NOS.	7	
	- HYDRAULIC CRANES (2.5,30,50 TONS) CAPACITY.	NOS.	6	Cranes for internal use.
	- SULPHURIC ACID TANKER (10000 LITRES) CAPACITY	NOS.	1	Tanker for acid transportation.
	- MINI BUSES	NOS.	5	Vehicles for internal use.
	- WINCH TRUCKS	NOS.	2	Machinery for localized construction
	- BULLDOZER	NOS.	1	"
	- AMBULANCES COMPLETE WITH LIFE SAVING EQUIPMENT, ACCESSORIES	NOS.	2	Safety equipment
	- FLAT BED TRAILERS (40 TONS) CAPACITY	NOS.	2	Trailers for chemical comsumables transportation
	- LOW LOADERS(30 TONS) CAPACITY	NOS.	2	"
	- AIR COMPRESSORS DIESEL DRIVEN	NOS.	7	Descaling equipment .
	- WET SAND BLASTING MACHINE COMPLETE WITH CLEANING ACCESSORIES	NOS.	2	"
	- HYDRAULIC BUNDLE EXTRACTOR	NOS.	2	Operational requirement

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1054	INSTRUMENTATION WITH RECOMMENDED SPARE PARTS:			
	- CONTROL VALVES COMPLETE, SOLENOID VALVES, PRESSURE GAUGES, THERMOMETERS, PRESSURE TRANSMITTERS, THERMOCOUPLE CALIBRATORS WITH ACCESSORIES, TEMPERATURE INDICATOR DESKS, LEVEL TRANSMITTERS, FITTINGS, POSITIVE DISPLACEMENT METERS WITH SPARE PARTS, THERMOWELLS WITH SPARES, INDICATOR CONTROLLERS, LEVEL SWITCHES, ALARM SYSTEMS	NOS.	24000	Instrumentation for operational control in refinery
	- PLASTIC AND COPPER TUBES	MTR.	10000	Small diameter tubing for instrumentation. ATG for tank level control systems
	- AUTOMATIC LEVEL GAUGING SYSTEM FOR (65) TANKS	LOT	1	
08-7-00-1055	SPARE PARTS FOR INSTRUMENTS, AND CONTROL ROOMS, WITH SPARES FOR POSITIVE DISPLACEMENT METERS	NOS.	5000	Parts for PD and control system
08-7-00-1056	COMPLETE AUTOMATIC CONTROL SYSTEM FOR BOILERS NO. (9,10) COMPLETE WITH CONTROLLERS, TRANSMITTERS, INDICATORS.	LOT	1	Control system for automatic boiler operation
08-7-00-1057	ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARE PARTS:			Electrical control systems
	- ELECTRICAL MOTORS, LOW VOLTAGE, MEDIUM VOLTAGE EACH WITH SET OF BEARINGS	NOS.	100	
	- UNINTERRUPTABLE POWER SUPPLIES, BATTERY CHARGERS	SET	20	"
	- ELECTRICAL POWER CABLES LOW VOLTAGE AND MEDIUM VOLTAGE	MTR.	75000	"
	- STEAM TURBINE ELECTRICAL GENERATOR COMPLETE CAPACITY (4MW) WITH ACCESSORIES	SET	1	Steam generator with accessories
	- SPARE PARTS FOR EXISTING ELECTRICAL EQUIPMENT	NOS.	2000	Electrical spare parts

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

SHEET NO.: 5 OF 6

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1058	HYPOCHLORITE GENERATOR WITH RECOMMENDED SPARE PARTS	SET	250	Equipment for sodium hypochlorite manufacture
08-7-00-1059	EQUIPMENT FOR EDR – IONICS UNIT: - FILTRATION SYSTEM - AUTOMATIC CONTROL SYSTEM - PUMPS - VARIOUS SPARE PARTS - PLASTIC PIPES,	 LOT LOT NOS. NOS. MTR.	 1 1 100 1000 2000	Further equipment for effluent water treatment in addition to that approved in Phases 4 and 5.
08-7-00-1060	SAFETY, FIRE FIGHTING SYSTEMS & EQUIPMENT: - FIRE PROTECTION SYSTEMS FOR FLOATING ROOF TANKS WITH ACCESSORIES AND SPARE PARTS - FIRE EXTINGUISHERS WITH IMPORTANT SPARE PARTS AND PILLAR HYDRANTS - FIXED CARBON DIOXIDE(CO2) SYSTEM FOR ELECTRICAL SUBSTATION FIRE PROTECTION - SPARE PARTS FOR FIRE FIGHTING TRUCKS - VARIOUS TYPES OF FOAM	 SET NOS. LOT NOS. LIT	 3 600 1 2000 50000	Fire fighting equipment and consumables. " " "
08-7-58-1061	ACTIVITY NO. (58): NAPHTHA ISOMERZATION UNIT AND HYDROGEN PRODUCTION UNIT	LOT	2	Unit to improve quality of gasoline production

MINISTRY OF OIL
ESTABLISHMENT NAME: MIDLAND REFINERIES
LOCATION: DAURA REFINERY

SHEET NO.: 6 OF 6

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1062	CHEMICALS AND ADDITIVES:			Additives for refined products
	- ADDITIVES FOR DIESEL ENGINE OILS	TON	300	
	- ADDITIVES FOR GASOLINE ENGINE OILS	TON	300	
	- ADDITIVES FOR VISCOSITY INDEX IMPROVERS	TON	200	
	- TETRA ETHYL LEAD (TEL)	TON	100	
08-7-00-1063	TESTING AND ENVIRONMENTAL PROTECTION EQUIPMENT WITH RECOMMENDED SPARES	SET	2000	Environmental testing equipment
08-7-00-1064	EQUIPMENT AND MATERIALS FOR MAINTENANCE AND REPAIR OF TRANSFORMERS & MOTORS, CONSISTING OF:			Equipment for repair and maintenance of transformers.
	- GRAIN ORIENTED SILICON STEEL	TON	500	"
	- COPPER WIRES	TON	150	"
	- OFF – LOAD TAP CHANGERS	NOS.	60	"
	- ON – LOAD TAP CHANGERS	NOS.	20	"
	- TRANSFORMERS HV & LV BUSHINGS	NOS.	240	"
	- PROTECTION DEVICES FOR TRANSFORMERS	NOS.	260	"
	- COLD ROLLED CARBON STEEL	TON	150	
	- HOT ROLLED CARBON STEEL	TON	100	
	- INSULATING MATERIAL	TON	200	"
	- PURCH WOOD BLOCK	SQ.M.	10	
	- SILICA GEL	KG	100	
	- TRANSFORMER ACTIVE PARTS	NOS.	30	
	- FLEXIBLE WIRES	MTR.	1000	"
	- CONNECTION TERMINALS AND ACC.	NOS.	1000	
	- INSULATION MATERIALS FOR MV ELECTRICAL MOTOR REPAIR, CLASS F.	TON	50	
	- COPPER STRIPS	TON	10	
	- SPARE PARTS FOR EXISTING MACHINES	SET	20	

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MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH REFINERIES COMPANY
LOCATION: BASRAH

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1100	COMPLETE ROTATING EQUIPMENT (PUMPS, COMPRESSORS, TURBINES, GEAR BOXES, FANS, AND OTHER MISC. ITEMS) WITH RECOMMENDED SPARE PARTS	SET	50	Equipment and spares for general maintenance and repairs.
08-7-00-1101	SPARE PARTS FOR ROTATING EQUIPMENT	NOS.	2000	"
08-7-00-1102	COMPLETE FILTERS FOR LUBE OIL PLANT WITH ACCESSORIES AND RECOMMENDED SPARE PARTS	SET	5	"
08-7-59-1103	<u>ACTIVITY NO. (59)</u> MAINTENANCE & REPAIR OF THE DEWAXING UNIT CONSISTING OF THE FOLLOWING ITEMS: (INSTRUMENTS, PIPES, ELECTRICALS, PUMPS, COMPRESSORS, AND OTHER MISC. ITEMS) WITH SPARE PARTS	LOT	1	Equipment and spares necessary for the repair to the lube oil dewaxing unit.
08-7-00-1104	MECHANICAL EQUIPMENT WITH RECOMMENDED SPARE PARTS: - PIPES OF DIFFERENT SIZES - FITTINGS - HEAT EXCHANGER TUBES - HEAT EXCHANGER BUNDLES - WELDING ELECTRODES - TOOLS - VARIOUS WORK SHOP MACHINES	 MTR. NOS. MTR. NOS. TON NOS. SET	 60000 10000 80000 50 25 500 300	Equipment and spares for general maintenance and repairs. " " Drilling and lathe mills etc.
08-7-00-1105	- ELECTRICAL EQUIPMENT (MCC,MOTORS, STARTERS, GENERATORS) WITH RECOMMENDED SPARE PARTS - CABLES	SET MTR.	500 20000	General electrical spare parts and equipment "
08-7-00-1106	INSTRUMENTATION EQUIPMENT WITH RECOMMENDED SPARE PARTS: - COMPLETE INSTRUMENTS FOR REPAIR THE CONTROL SYSTEM AND TANK GAUGING SYSTEMS - SPARE PARTS FOR INSTRUMENTS - CABLES	 LOT NOS. MTR.	 2 6000 10000	ATG control system for storage tanks. "
08-7-00-1107	SAFETY EQUIPMENT AND PERSONAL SAFETY ACCESSORIES WITH SPARES	NOS.	10000	Safety equipment for refinery workers.

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH REFINERIES COMPANY
LOCATION: BASRAH

SHEET NO.: 2 OF 2

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1108	INSPECTION TOOLS, WITH RECOMMENDED SPARE PARTS	NOS.	300	Maintenance equipment
08-7-00-1109	TESTING AND ENVIRONMENTAL PROTECTION EQUIPMENT WITH RECOMMENDED SPARE PARTS	SET	500	Safety equipment
08-7-00-1110	CRUDE OIL DESALTERS & ACCESSORIES WITH RECOMMENDED SPARES	SET	2	Equipment for crude desalters
08-7-00-1111	TRANSPORTATION AND SERVICES EQUIPMENT WITH DIFFERENT KINDS, & CAPACITIES WITH RECOMMENDED SPARE PARTS:			Equipment and spares for water supply, sewage, safety and environmental requirements.
	- VEHICLES (BUSES, PICKUPS)	NOS.	50	
	- TANKERS FOR WASTE WATER	NOS.	2	"
	- RUBBER COATED TANKERS	NOS.	2	"
	- TANKERS FOR DRINKING WATER	NOS.	2	"
	- SEWAGE TRUCKS	NOS.	1	"
	- GARBAGE TRUCKS	NOS.	1	
	- FORKLIFTS	NOS.	8	"
	- SQUEZERS	NOS.	2	"
	- CRANES	NOS.	2	"
	- AMBULANCE	NOS.	2	
08-7-00-1112	MEMBRANES & SPARE PARTS FOR THE R.O. UNITS			Equipment and spares for water treatment
	- MEMBRANES	SET	800	
	- SPARE PARTS	SET	500	
08-7-00-1113	CHEMICALS & ADDITIVES			Additives for product quality enhancement
	- TETRA ETHYL LEAD (TEL)	TON	150	
	- ADDITIVES FOR MOTOR ENGINE OILS	TON	500	
	- ADDITIVES FOR DIESEL ENGINE OILS	TON	400	
	- ADDITIVES FOR VISCOSITY IMPROVER	TON	100	

MINISTRY OF OIL
ESTABLISHMENT NAME: NORTH GAS COMPANY
LOCATION: KIRKUK

SHEET NO.: 1 OF 2

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1150	TRANSPORTATION AND SERVICES EQUIPMENT WITH RECOMMENDED SPARE PARTS:			Transportation requirements, for staff.
	- BUSES AND MINI BUSES	NOS.	30	
	- LIFTING, HANDLING, EARTH MOVING EQUIPMENT	NOS.	15	Cranes, fork lifts and earth moving equipment
	- TYRES	NOS.	2000	Transportation equipment and spares.
	- BATTERIES.	NOS.	500	
08-7-00-1151	CONSUMABLE CHEMICALS USED FOR THE OPERATION OF THE PLANT:			Consumable items for refinery operations
	- DI ETHANOL AMINE	TON	1000	
	- MOLECULAR SIEVE FOR DRIERS.	TON	400	
	- METHANOL.	TON	100	
	- ANTIFOAM	TON	10	
	- RESINS (FOR WATER DEMI UNIT).	CU.M.	100	
	- ACTIVATED CARBON FOR Hg REMOVAL.	TON	20	
	- CARBON AC 35.	TON	10	
	- CHEMICALS FOR COOLING TOWER & BOILER WATER TREATMENT UN ITS	TON	300	
	- FIRE EXTINGUISHING FOAM	LIT.	30000	
08-7-00-1152	TESTING & MEASURING APPARATUS WITH SPARE PARTS	NOS.	150	Environmental control apparatus
08-7-00-1153	INSPECTION EQUIPMENT WITH RECOMMENDED SPARE PARTS	NOS.	100	NDT (plate thickness, hardness) equipment
08-7-00-1154	ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARE PARTS:			Electrical equipment and generators to ensure UPS.
	- ELECTRICAL EQUIPMENT (MOTORS, UPC, MCC, STARTERS, TRANSFORMERS, LIGHTING FIXTURES ...ETC)	NOS.	3000	
	- ELECTRICITY GENERATORS CAPACITY (1-4) MVA	NOS.	4	"
08-7-00-1155	GAS MEASURING & CONTROL INSTRUMENTS WITH RECOMMENDED SPARE PARTS	NOS.	5000	Control and gas measurement instrumentation.
08-7-00-1156	COMPLETE BOILER WATER DEMINERALIZATION PACKAGE UNIT (2-LINES) WITH RECOMMENDED SPARE PARTS	LOT	2	Equipment for pre-treatment of boiler water.
08-7-00-1157	ROTATING EQUIPMENT WITH RECOMMENDED SPARE PARTS	SET.	400	General equipment and spares.
	SPARES FOR ROTATING EQUIPMENT	NOS.	10000	

MINISTRY OF OIL

SHEET NO.: 2 OF 2

ESTABLISHMENT NAME: NORTH GAS COMPANY

LOCATION: KIRKUK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1158	MECHANICAL EQUIPMENT WITH RECOMMENDED SPARE PARTS:			Equipment and spares to carry out general maintenance and increase plant efficiency
	- TOOLS & EQUIPMENT FOR MAINTENANCE OF HEAT EXCHANGERS, BOILERS, FURNACES, & ROTATING EQUIP.	SET	2000	
	- MAINTENANCE SERVICES CONTRACTS FOR MAIN STEAM TURBINES, GAS COMPRESSORS, COOLING TOWER& SULPHUR SLATING MACHINES..... ETC,WITH REQUIRED SPARE PARTS	LOT	20	"
	- PIPES	MTR	60000	"
	- TUBES	NOS.	150000	
	- FITTINGS FOR HEAT EXCHANGERS , FURNACES, & BOILERS	NOS.	15000	
	- RAW & SEMI FINISHED MATERIALS	NOS.	2000	Steel and teflon bars.
08-7-00-1159	SAFETY EQUIPMENT AND MATERIALS (GOGGLES,SAFETY BELTS,ANTI HAZARDEOUS SUITS, TOXIC GAS MEASURING INSTRUMENTS ....ETC)	NOS.	5000	Safety equipment
08-7-00-1160	TELEPHONE EXCHANGES & INTERNAL CALLING SYSTEMS WITH RECOMMENDED SPARE PARTS.	SET	100	Internal PA system and telephone system

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH GAS COMPANY
LOCATION: BASRAH

SHEET NO.: 1 OF 3

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-60-1200	ACTIVITY NO. (60) MATERIALS REQUIRED FOR THE REPAIR AND MAINTENANCE OF KHOR – ZUBAIR NGL & LPG PLANTS, TO PROVIDE LPG FOR THE INHABITANTES IN THE SOUTH REGION OF IRAQ. CONSISTING OF THE FOLLOWING ITEMS (ROTATING EQUIPMENT, FILTERS, FANS, BURNERS, FLARES, CABLES, PIPES, VALVES, FITTINGS, BEARINGS, INSTRUMENTS, EXPL. LIGHTING, ELECTRICALS, METERING SYSTEM & GENERATORS) WITH SPARES AND SERVICES.	LOT	2	Equipment NGL plant to store, and treat , gas for local use, and to supply power stations. This will reduce flaring of gas from N & S Rumailah fields.
08-7-61-1201	ACTIVITY NO. (61) MATERIALS REQUIRED FOR THE REPAIR AND MAINTENANCE OF NORTH – RUMAILA SOUR GASES TREATMENT UNIT & NGL PLANT. CONSISTING OF THE FOLLOWING ITEMS (ROTATING EQUIPMENT, FILTERS, FANS, HEAT EXCHANGERS, BURNERS, FLARES, CABLES, PIPES, VALVES, FITTINGS, BEARINGS, INSTRUMENTS, EXPL. LIGHTING, ELECTRICALS, METERING SYSTEM). WITH SPARES & SERVICES.	LOT	2	Equipment and spares to repair N Rumailah sour gas treatment plant.
08-7-00-1202	MECHANICAL EQUIPMENT: - BOLTS , NUTS, - WELDING RODS, - HOSES - PIPES WITH VARIOUS SIZES - FITTINGS	 NOS. TON MTR. MTR. NOS.	 5000 10 10000 40000 2000	General mechanical spare parts and equipment "
08-7-00-1203	EQUIPMENT AND SPARES REQUIRED FOR THE VARIOUS MAINTENANCE WORK SHOPS	NOS.	10000	Work shop equipment.

MINISTRY OF OIL **SHEET NO.: 2 OF 3**
ESTABLISHMENT NAME: SOUTH GAS COMPANY
LOCATION: BASRAH

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1204	SAFETY, FIRE FIGHTING SYSTEM & EQUIPMENT:			
	- PERSONAL'S SAFETY ACCESSORIES & TOOLS	SET	4000	Gas masks for personnel safety
	- SAFETY & INSPECTION TEST EQUIPMENT WITH SPARES	NOS.	2000	Fire fighting equipment and consumables
	- FIRE ALARM SYSTEMS WITH RECOMMENDED SPARES	SET	5	"
	FIRE FIGHTING VEHICLES WITH SPARES	NOS.	4	"
	- SPARES FOR FIRE FIGHTING VEHICLES	NOS.	3000	
	- CHEMICALS FOR FIRE FIGHTING	LTR	150000	"
08-7-00-1205	TRANSPORTATION AND SERVICES EQUIPMENT WITH RECOMMENDED SPARES:			Transportation and safety requirements, mechanical equipment.
	- AMBULANCE CARS	NOS.	4	
	- BUSES 16 – 40 PASSENGERS, LANDCRUISERS	NOS.	30	"
	- CRANES	NOS.	2	"
	- WINCH TRUCK	NOS.	1	"
	- CLEANING VEHICLE	NOS.	1	"
	- TANKER	NOS.	1	"
	- SHOVEL	NOS.	1	"
	- FORKLIFTS & SQUEZERS AND SIDE BOOM CAPACITY 10,5,3,2 TONS WITH RECOMMENDED SPARES	NOS.	6	"
	- LORRIES WITH LIFTING EQUIPMENT	NOS.	7	"
	- TRACTORS WITH SEMI TRAILERS	NOS.	2	"
08-7-00-1206	NITROGEN PLANT COMPLETE WITH SPARES	LOT	1	Nitrogen for purging and inerting tanks.
08-7-00-1207	WATER TREATMENT PLANT (R.O) COMPLETE	LOT	1	Waste water treatment plant
08-7-00-1208	TESTING AND MEASURING EQUIPMENT, ACCESSORIES, REAGENTS WITH RECOMMENDED SPARES AND SERVICES	LOT	1	Safety and environmental control

MINISTRY OF OIL
ESTABLISHMENT NAME: SOUTH GAS COMPANY
LOCATION: BASRAH

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1209	TELEPHONE EXCHANGES WITH ACCESSORIES AND SPARES	SET	2	Equipment for internal control of gas plant operations
08-7-62-1210	ACTIVITY NO.(62): MATERIALS REQUIRED FOR THE REPAIR AND MAINTENANCE OF KHOUR - ZUBAIR GAS STORAGE & COOLING PLANT AND TERMINAL FACILITIES CONSISTING OF THE FOLLOWING ITEMS (ROTATING EQUIPMENT, FILTERS, FANS, CABLES, VALVES, BEARINGS, INSTRUMENTS SHEETS, TOOLS, DRUMS, PIPES, FITTINGS.	LOT	2	Parts and equipment to repair this terminal to allow gas to be pumped to the North, and to store gas when demand is low.
08-7-00-1211	LPG. PUMPING STATION (MATERIALS & INSTALLATION) IN KHOUR - ZUBAIR STORAGE & COOLING PLANT	LOT	1	Reverse pumping unit for above
08-7-00-1212	DEHYDRATION UNIT, GAS FILTERING SYSTEM WITH RECOMMENDED SPARES	LOT	1	Gas treatment plant
08-7-00-1213	CONSUMABLE CHEMICALS USED FOR THE OPERATION OF THE PLANT.	TON CU.M. LIT.	2000 100 1000	Molecular sieves, anti-foaming agents, activated carbon for plant operation.

MINISTRY OF OIL

ESTABLISHMENT NAME: GAS FILLING COMPANY

LOCATION: FILLING PLANTS ALL OVER THE COUNTRY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1250	LPG CYLINDERS	NOS.	500000	Replacement of old, overdue cylinders.
	LPG CYLINDER VALVES & THEIR SPARE PARTS			
08-7-00-1251	- UPPER PARTS OF VALVES - TOOLS & SPARE PARTS FOR VALVES REPAIR. - PARE PARTS FOR LPG FILLING HEAD	NOS. NOS. NOS.	400000 3000000 15000	Spare Parts for cylinders.
	MISCELLANEOUS TOOLS , MACHINES & EQUIPMENT FOR REPAIR OF LPG CYLINDERS			
08-7-00-1252	- MISCELLANEOUS TOOLS - MACHINES - EQUIPMENT	NOS. & MTR. NOS. NOS.	40000 5000 20 80	Tools and equipment for cylinder repair.
	SPARE PARTS FOR LPG CYLINDER KUT MANUFACTURING PLANT			
08-7-00-1253	- SPARE PARTS FOR DIES & PRESSES - SPARE PARTS FOR SIX – SPINDLE MACHINES - SPARE PARTS FOR PRESSURE TESTING CAROUSEL - SPARE PARTS FOR OXYGEN PLANT	NOS. & MTR. & KG. & SET NOS. NOS. NOS.	2000 200 500 20 15000 1000 1000	Spare Parts for bottling machinery.
08-7-00-1254	CO_2 PRODUCTION UNIT & SPARE PARTS	NOS. & SET	1000 100	Carbon dioxide production set

MINISTRY OF OIL
SHEET NO.: 2 OF 7
ESTABLISHMENT NAME: GAS FILLING COMPANY
LOCATION: FILLING PLANTS ALL OVER THE COUNTRY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	FIRE , SAFETY & INSPECTION EQUIPMENT			
08-7-00-1255	- FIRE TRUCKS - FIRE FIGHTING & SAFETY EQUIPMENT - INSPECTION EQUIPMENT	NOS. NOS. & KG. & PAIRS NOS.	3 3750 5000 5000 10	Repair and maintemance of filling plants all countrywide
08-7-00-1256	UNIT FOR AROMATICS REMOVAL FROM HEXANE WITH SPARE PARTS	NOS.	1	"
	CHEMICALS			"
08-7-00-1257	- ODORANT FOR LPG (THIOPHENE) - FOR INDUSTRIAL WATER TREATMENT - MOLECULAR SIEVE FOR SWEATING BUTANE	TON TON KG.	20 80 500	"
08-7-00-1258	LABORATORY APPARATUS	NOS.	53	"
	PLATES & ACCESSORIES FOR LPG VESSELS			"
08-7-00-1259	- PLATES FOR 3000 M^3 SPHERICAL TANKS - SPARE PARTS FOR LPG TRAILERS 20 TONS CAPACITY	TON NOS.	1000 950	"

MINISTRY OF OIL

ESTABLISHMENT NAME: GAS FILLING COMPANY

LOCATION: FILLING PLANTS ALL OVER THE COUNTRY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	TRANSPORTATION VEHICLES & HEAVY DUTY EQUIPMENT			
08-7-00-1260	- SEMI-TRAILER FOR OIL PRODUCTS TRANSPORTATION WITH SPARES	NOS.	6	Transportation equipment for LPG plants; replacemenmt and repair.
	- CARGO TRUCK 15 TON WITH SPARES	NOS.	10	
	- FLAT-BED SEMI TRAILER 20 TON WITH SPARES	NOS.	2	
	- PICK-UP DOUBLE CAB 4X2 WITH SPARES	NOS.	50	
	- LOW LOADER 35 TON WITH SPARES	NOS.	2	
	- SERVICE MOBILE W. SHOP WITH SPARES	NOS.	2	
	- LORRY WITH SIDE CRANE CAP. 10 TON WITH SPARES	NOS.	1	
	- SKY LIFT TRUCK (10-12)M LIFT WITH SPARES	NOS.	1	
	- SHOVEL WITH SPARES	NOS.	1	
	- WINCH TRUCK WITH SPARES	NOS.	1	
	- VEHICLE FOR PASSENGER TRANSPORTATION (12– 44) WITH SPARES	NOS.	25	
	- WATER TRUCK (8000 – 13000) M^3 WITH SPARES	NOS.	3	
	- FORK LIFT 5 TON WITH SPARES	NOS.	10	
	- BATTERIES OF DIFFERENT SIZES	NOS.	400	
	- TYRES OF DIFFERENT SIZES	NOS.	800	
	- SPARE PARTS FOR TRUCK CRANE, CARGO TRUCK, TRAILER, PICK-UPS, LOW LOADER, LAND CRUISER, CRANE, LIFT, SHOVEL, PASSENGER VEHICLES, TRUCKS AND FORK LIFT	NOS.	200000	

MINISTRY OF OIL SHEET NO.: 4 OF 7
ESTABLISHMENT NAME: GAS FILLING COMPANY
LOCATION: FILLING PLANTS ALL OVER THE COUNTRY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ELECTRICAL EQUIPMENT & SPARE PARTS FOR LPG FILLING PLANTS			
08-7-00-1261	- ELECTRIC CABLES	MTR.	100000	Electrical spares and cables for Gas Filling Plants
	- SPARE PARTS AND REHABILITATION FOR TRANSFORMERS & CABLES	TON	1500	
	- LIGHTING AND ACCESSORIES & SPARE PARTS	NOS.	50000	
	- HIGH TENSION EQUIPMENT FOR LPG FILLING PLANTS	SET	20	
	- SPARE PARTS FOR HIGH TENSION EQUIPMENT	NOS. & SET	300 20	
	- ELECTRIC COMPONENT AND ACCESSORIES AND TOOLS	NOS. & SET	100000 5000	
	- ELECTRIC CONTROL EQUIPMENT AND SPARE PARTS	NOS.	30000	
	- ELECTRIC MOTORS AND SPARE PARTS	NOS.	100	
	- DIESEL GENERATORS WITH SPARE PARTS	NOS. & SET	30 60	
	- SPARE PARTS FOR DIESEL GENERATORS	NOS.	5000	
	- ELECTRIC TESTING EQUIPMENT AND ACCESSORIES	NOS.	300	
	- TELEPHONE SETS AND SPARE PARTS	NOS.	3000	
	SPARE PARTS FOR LPG FILLING PLANTS			
08-7-00-1262	- SPARE PARTS FOR LPG FILLING PLANTS	NOS. & SET & MTR.	7500 8 1500	Chain conveyors for Gas Filling Plants
	- FILLING STATION WITH SPARE PARTS	NOS.	4	

MINISTRY OF OIL
ESTABLISHMENT NAME: GAS FILLING COMPANY
LOCATION: FILLING PLANTS ALL OVER THE COUNTRY

SHEET NO: 5 OF 7

CODE.	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	INSTRUMENTS , METERS AND SPARES			
08-7-00-1263	- SPARE PARTS FOR LEVEL GAUGE FOR LOW PRESSURE TANKS	NOS.	100	Instrumentation spares for LPG plants
	- SPARE PARTS FOR FILLING LINE FOR GAS	NOS.	300	
	LIGHTER	NOS.	300	
	- SPARE PARTS FOR CONTROL VALVE AND TRANSMITTER	NOS.	100	
	- COMPLETE COMPUTER SYSTEM FOR PANEL OF CONTROLLER OF HEXANE UNIT WITH SPARES	NOS.	200	
	- SPARE PARTS FOR SLAM SHUT-OFF VALVE & AXIAL FLOW VALVE	NOS.	170	
	- SPARE PARTS FOR REGULATOR	NOS.	40	
	- PROCESSOR, PLAIN PAPER COPIER, PRIPORT COPIER, MONEY COUNTER & CALCULATOR	NOS.	1500	
	- SPARE PARTS FOR PREVIOUS ITEM	NOS.	200000	
	- VARIOUS FITTINGS	NOS.	3	
	- FLOW METER SYSTEM	NOS.	50	
	- SPARE PARTS FOR PREVIOUS ITEM	NOS.	60	
	- GAS DETECTORS	NOS.	50	
	- SPARE PARTS FOR PREVIOUS ITEM			

MINISTRY OF OIL
SHEET NO.: 6 OF 7
ESTABLISHMENT NAME: GAS FILLING COMPANY.
LOCATION: FILLING PLANTS ALL OVER THE COUNTRY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ROTATING MACHINERY FOR LPG PLANTS & SPARE PARTS			
08-7-00-1264	- SPARE PARTS FOR LPG & HEXANE PUMPS	NOS. & SET	2000 200	Mechanical rotating equipment and spares for repair and maintenance
	- SPARE PARTS FOR NAPHTHA & PENTANE PUMP	NOS. & SET	5000 400	
	- BEARING FOR MOTOR & PUMP	NOS.	8000	
	- MECHANICAL SEALS & THEIR COMPONENTS	NOS.	5000	
	- SPARE PARTS FOR BOILER BLOWER FAN	NOS. & SET	3000 2000	
	- AIR COMPRESSORS	NOS.	20	
	- SPARE PARTS FOR AIR COMPRESSORS	NOS. & SET	15000&3000	
	- BOILER FEED WATER PUMP AND SUBMERSIBLE PUMPS	NOS.	15	
	- SPARE PARTS FOR BOILER PUMPS	NOS. & SET	1000 & 200	
	- VERTICAL SEWAGE WATER PUMP & SPARE PARTS	NOS.	8	
	- SPARE PARTS FOR VERTICAL PUMPS	NOS. & SET	300 & 200	
	- SPARE PARTS FOR COOLING TOWER PUMP FOR HEXANE UNIT	NOS. & SET	1000 200	
	- GAS COMPRESSOR CORKEN	NOS.	20	
	- SPARE PARTS FOR CORKEN COMPRESSORS	NOS. & SET	6000&2000	
	- SPARE PARTS FOR GAS COMPRESSOR SABRO FOR LOADING & UNLOADING LPG TRUCK	NOS. & SET & LIT.	4000 2000 10000	
	- FIRE FIGHTING PUMPS	NOS.	30	
	- SPARE PARTS FOR FIRE FIGHTING PUMPS	NOS. &SET	1000 & 50	
	- SPARE PARTS FOR WATER CHILLER COOLER	NOS. & SET	7000 2000	
	- WATER PUMPS	NOS.	50	
	- SPARE PARTS FOR WATER PUMPS	NOS. &SET	2000&1000	
	- HYDRAULIC PUMPS	NOS.	70	
	- SPARE PARTS FOR HYDRAULIC PUMPS	NOS. &SET	2000&1000	

MINISTRY OF OIL

ESTABLISHMENT NAME: GAS FILLING COMPANY

LOCATION: FILLING PLANTS ALL OVER THE COUNTRY

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	PIPES , FITTINGS AND VALVES			
08-7-00-1265	- BALL, GATE, GLOBE VALVES WITH SPARE PARTS - CARBON STEEL PIPES - HYDRAULIC SAFETY VALVES, EXCESS FLOW VALVES, F-VALVE WITH SPARE PARTS - PIPE FITTINGS, STUD BOLTS, NUTS, GASKETS	NOS. & SET MTR. NOS. & SET NOS. & SET	1000 500 15000 3000 500 22000 15	Mechanical & rotating equipment for repairs amd maintenance
08-7-00-1266	TOOLS FOR HEAT EXCHANGER & BOILERS WITH SPARE PARTS	NOS.	50	"

MINISTRY OF OIL

SHEET NO.: 1 OF 14

ESTABLISHMENT Name: Oil Pipelines Company

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1300	COMPLETE ASSEMBLY FLOW METER WITH FLOW COMPUTER TO CALCULATE QUANTITIES OF DRY GAS FOR DIFFERENT LOCATIONS COMPLETE WITH SPARE PARTS AND:	NOS.	100	Metering and flow control equipment for whole pipeline network, especially to power stations.
	- FLOW TRANSMITTER, PRESSURE TRANSMITTER, TEMPERATURE TRANSMITTER, HARD COMMUNICATOR, CONTROL COMPUTER, PRINTER, FITTINGS, GLANDS, JUNCTION BOXES	NOS.	1000	"
	- CONTROL CABLES FOR ABOVE MENTIONED ITEM	KM.	10	"
08-7-00-1301	PRE-COATED LINE PIPES OF DIFFERENT SIZES AND SCHEDULES	KM.	120	Replacement gas piping.
08-7-00-1302	HEAT SHRINKABLE SLEEVES OF DIFFERENT SIZES	NOS.	4500	"
08-7-00-1303	POLYETHYLENE TAPE	SQ.M.	100000	"
08-7-00-1304	PRIMER	LIT.	4000	"
08-7-00-1305	PNEUMATIC STOPPERS OF DIFFERENT SIZES	NOS.	100	"
08-7-00-1306	POSITIVE DISPLACEMENT (PD) METER, DIFFERENT SIZES, TO MEASURE QUANTITIES OF LIGHT OIL PRODUCTS	NOS.	50	Meters for truck loadings
08-7-00-1307	LOADING ARMS, COMPLETE	NOS.	25	"
08-7-00-1308	SPARE PARTS FOR A/M EQUIPMENT	NOS.	400	"
08-7-00-1309	SPARE PARTS FOR EXISTING LOADING ARMS	NOS.	10000	"
08-7-00-1310	33 KV SWITCH GEAR FOR NASSIRIYA PUMPING STATION	SET	1	Pumping system switch gear
08-7-00-1311	3.3 KV SWITCH GEAR FOR PUMPING STATIONS	SET	1	Switch gear for depots
08-7-00-1312	VALVES AND FITTINGS DIFFERENT SIZES AND CLASSES	NOS.	900	"
08-7-00-1313	WELDING ELECTRODES OF DIFFERENT TYPES AND SIZES	TON	50	Equipment for depots

MINISTRY OF OIL SHEET NO.: 2 OF 14
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1314	ELECTRICAL COUNTER (ACC LOAD DUAL) FOR LOADING ARMS IN DEPOTS, COMPLETE WITH ACCESSORIES, TICKET PRINTER, TRANSMITTER, TEMPERATURE CORRECTOR, ACCESSORIES FOR CHANGE SET STOP	NOS.	1000	Equipment for internal measurement systems
08-7-00-1315	INSTRUMENT SPARE PARTS FOR EXISTING LOADING ARMS IN DEPOTS IN DIFFERENT LOCATIONS INCLUDING SOLENOID, DIAPHRAGM, O-RING, BEARINGS	NOS.	4000	Electrical spares for loading systems.
08-7-00-1316	DIGITAL INDICATOR DIFFERENT TYPES (FLOW RATE, TEMPERATURE, PRESSURE, DENSITY)	NOS.	100	"
08-7-00-1317	COUNTER, ALARM INDICATOR DIFFERENT SIZES AND TYPES FOR CONTROL PANELS IN PUMPING STATIONS	NOS.	30	"
08-7-00-1318	SELECTOR SWITCHES DIFFERENT TYPES FOR PUMPING STATIONS	NOS.	300	"
08-7-00-1319	LAMPS, DIFFERENT TYPES (SIZE, VOLTAGE, WATTAGE, CURRENT) FOR CONTROL PANELS IN DIFFERENT PUMPING STATIONS	NOS.	50000	LED's and lamps for signalling and control systems
08-7-00-1320	ACCESSORIES FOR CENTRAL AIR-CONDITIONING EQUIPMENT INCLUDING (COMPRESSORS, CONDENSERS, DIFFERENT TYPES OF MAGNETIC SWITCHES, TIMERS, TRANSFORMERS, CONDENSER COILS, EVAPORATOR COILS)	NOS.	2000	Control room environmental control
08-7-00-1321	PUMPS, ELECTRICAL AND DIESEL DRIVEN, DIFFERENT SIZES (10-100) KW USED FOR LOADING AND UNLOADING IN DEPOTS	NOS.	30	Pumps for loading depots.

MINISTRY OF OIL
SHEET NO.: 3 OF 14
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	
08-7-00-1322	PUMPING STATION FOR OIL PRODUCTS COMPRISING THE FOLLOWING: - MAIN PUMPS, 700 M^3/HOUR EACH OF 500 M HEAD - BOOSTER PUMPS, 700 M^3/HOUR EACH OF 60 M HEAD - STATION PIPING, VALVES, FITTINGS AND ACCESSORIES - MEASURING AND CONTROL EQUIPMENT - REMOTE CONTROL PANEL - POWER AND CONTROL CABLES - METERING AND GAUGING - PROTECTION SYSTEM, COMPLETE (TEMPERATURE, VIBRATION, PRESSURE ... ETC.) WITH ALL REQUIRED ACCESSORIES TO COMPLETE THE ABOVE SYSTEM INCLUDING SPARE PARTS	LOT	2	Pumping station for Mosul, North area, to deliver products to power station at Mosul City.
08-7-00-1323	DIESEL GENERATING SETS 3×400 V, 50 HZ, P.F. = 0.8 AT 1500 RPM, 750 KVA	SET	6	Generating sets for all sites.
08-7-00-1324	SPARE PARTS FOR ELECTRICAL TRANSFORMERS, CIRCUIT-BREAKERS AND MOTORS AT BAIJI AND OTHER PUMPING STATIONS	NOS.	200	Electrical spare parts for Beiji Refinery operatyions.
08-7-00-1325	SPARE PARTS FOR EXISTING METERS IN PUMPING STATIONS, DIFFERENT SIZES	NOS.	4000	Spares and equipment for product pumping stations
08-7-00-1326	SPARE PARTS FOR EXISTING VALVES IN DIFFERENT LOCATIONS, DIFFERENT SIZES	NOS.	1000	"

MINISTRY OF OIL
SHEET NO.: 4 OF 14
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1327	EXPLOSION PROOF STARTER AND PUSH BUTTONS, DIFFERENT SIZES	NOS.	200	Safety equipment
08-7-00-1328	FIRE FIGHTING VEHICLES FOR OIL INDUSTRIES COMPLETE WITH ALL RECOMMENDED SPECILAIZED EQUIPMENT AND SPARE PARTS	NOS.	6	Safety equipment
08-7-00-1329	FOAM FLUOROPROTIEN, LOW EXPANSION IN STANDARD 25-200 LITERS DRUM	LIT.	20000	Safety consumables
08-7-00-1330	FIRE FIGHTING SERVICE PUMPS, SKID MOUNTED FOR OIL INDUSTRIES COMPLETE WITH SPARE PARTS AND AS FOLLOWS:			Portable fire fighting equipment
	- 300 M^3/HOUR × 12 BARS, DIESEL DRIVEN	NOS.	3	"
	- 150 M^3/HOUR × 12 BARS, DIESEL DRIVEN	NOS.	1	"
	- 300 M^3/HOUR × 12 BARS, ELECTRICAL DRIVEN	NOS.	1	"
	- 85 M^3/HOUR × 10 BARS, ELECTRICAL DRIVEN	NOS.	1	"
08-7-00-1331	SPARE PARTS FOR EXISTING FIRE FIGHTING PUMPS, DIESEL ENGINE DRIVEN	NOS.	1000	Fire fighting pumops
08-7-00-1332	TRANSFORMER OIL DRIER, FLOW RATE: 4000 LITERS/HOUR	SET	2	Re-application from Phase 6
08-7-00-1333	TIRES OF DIFFERENT SIZES FOR DIFFERENT TYPES OF VEHICLES	PAIR	1000	Vehicle tyres
08-7-00-1334	LEAD ACID BATTERIES, DRY TYPE, 12 V, DIFFERENT SIZES	NOS.	600	Vehicle batteries
08-7-00-1335	HALF SOLES OF DIFFERENT SIZES FOR REPAIRING CORRODED PIPE	MTR.	1000	Pipe repair equipment
08-7-00-1336	SPARE PARTS FOR MICRO FILTERS INSTALLED IN LPG PUMPING STATIONS (FILTER ELEMENT, GASKET)	NOS.	5000	Parts for LPG distribution system
08-7-00-1337	LORRY WITH SIDE CRANE OF DIFFERENT SIZES	NOS.	5	Site work and maintenance

MINISTRY OF OIL

SHEET NO.: 5 OF 14

ESTABLISHMENT NAME: OIL PIPELINES COMPANY

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1338	PASSENGER BUS 10-21 SEATER FOR OIL INDUSTRIAL LOCATIONS, COMPLETE WITH RECOMMENDED SPARE PARTS	NOS.	5	Transport for operators
08-7-00-1339	DOUBLE-CAB (PICK-UP) VEHICLES TO BE USED TO CARRY MATERIALS AND MAINTENANCE TEAM TO OIL DEPOTS AND PUMPING STATIONS AS WELL AS PIPELINES NETWORK, COMPLETE WITH RECOMMEND SPARE PARTS	NOS.	25	"
08-7-00-1340	EARTH MOVING EQUIPMENT:-			Pipe repair and maintenance
	- SHOVELS OF DIFFERENT SIZES	NOS.	2	"
	- EXCAVATORS OF DIFFERENT SIZES	NOS.	2	"
08-7-00-1341	MOBILE CRANE 30-50 TON CAP. WITH SPARE PARTS	NOS.	2	"
08-7-00-1342	3-5 TON FORK LIFT WITH SPARE PARTS	NOS.	5	"
08-7-00-1343	2TON BARREL SQUEEZER WITH SPARE PARTS	NOS.	2	Transportation equipment
08-7-00-1344	REHABILITATION OF OBSOLETE TELECOMMUNICATION AND TELEPHONE EQUIPMENT TO SECURE LINK WITH DEPOTS AND PUMPING STATIONS TO ENSURE SAFE OPERATION OF PUMPING OF OIL PRODUCTS TO DIFFERENT LOCATIONS COMPRISING TELEPHONE AND WIRELESS EQUIPMENT COMPLETE WITH NECESSARY ACCESSORIES AND SPARE PARTS TO OPERATE THE SYSTEM.	SET	10	To repair and maintain exisiting telecomm equipment

MINISTRY OF OIL **SHEET NO.: 6 OF 14**

ESTABLISHMENT NAME: OIL PIPELINES COMPANY

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1345	HYDRAULIC AND MANUAL MAINTENANCE EQUIPMENT COMPRISING THE FOLLOWING:			Workshop equipment for maintenance and repair
	- HYDRAULIC GEARING EXTRACTOR, 30 TONS	NOS.	2	"
	- HYDRAULIC CROSS-BEARING PULLER, 20 TONS	NOS.	3	"
	- HYDRAULIC GRIP PULLER, 20 TONS	NOS.	3	"
	- ADJUSTABLE ARMATURE STAND, 5 TONS	PAIR	3	"
	- BALL BEARING HEATER SUITABLE FOR BEARINGS UP TO 405 MM OUTER DIAMETER, SUPPLY: 220V, 50 HZ, SINGLE PHASE	NOS.	3	"
	- HYDRAULIC PRESS, FRAME CAPACITY 30 TONS	NOS.	1	"
	- MANUAL CABLE CUTTER	NOS.	5	"
	- HYDRAULIC CABLE CUTTER	NOS.	3	"
	- ELECTROMECHANICAL CABLE CUTTER, SUPPLY: 220V, 50 HZ, SINGLE PHASE	NOS.	3	"
	- AUTOMATIC HYDRAULIC CRIMPING TOOL FOR SOLDERLESS TERMINALS	NOS.	3	"
	- MANUAL CHAIN BLOCK, COMPLETE WITH STAND 5, 10 AND 15 TONS	SET	5	"
	- BALL BEARING TESTER TO MONITOR THE OPERATING CONDITIONS OF BEARINGS	NOS.	3	"
	- MANUAL CRIMPING TOOL	NOS.	5	"

MINISTRY OF OIL

SHEET NO.: 7 OF 14

ESTABLISHMENT NAME: OIL PIPELINES COMPANY

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1346	MECHANICAL TOOLS AND EQUIPMENT INCLUDING TH FOLLOWING:-			Workshop equipment for repair and maintenance
	- HAND OPERATED HYDROSTATIC TEST PUMPS	NOS.	6	"
	- MANUAL PIPE CUTTERS	NOS.	6	"
	- EXTRA WHEEL CUTTERS FOR ABOVE ITEM	NOS.	1200	"
	- ELECTRIC RIGHT ANGLE GRINDERS	NOS.	150	"
	- GRINDER DISCS FOR ABOVE ITEM	NOS.	3000	"
	- WHEEL STEEL BRUSHES	NOS.	500	"
	- LEATHER WELDING GLOVES	PAIR	150	"
	- WELDING HELMETS	NOS.	100	"
08-7-00-1347	POWER CABLE LUGS AND CONNECTORS	NOS.	30000	Electrical spares
08-7-00-1348	HYDRAULIC WRENCH	NOS.	6	Mechanical equipment
	SOCKETS FOR THE ABOVE ITEM, DIFFERENT SIZES	NOS.	100	"
08-7-00-1349	SPARE PARTS FOR EXISTING LOADING AND UNLOADING PUMPS IN DEPOTS	NOS.	15000	Spares for existing product pumps
08-7-00-1350	NON-SPARKING HANDY TOOLS USED FOR THE MAINTENANCE OF LPG AND DRY GAS PIPELINE EQUIPMENT	NOS.	4000	LPG tools
08-7-00-1351	WIRE ROPE, SIZE 6×60, OF LENGTH 1000 METERS USED ON TRAIN RAIL LOADING	PCS	4	For movement of trains in LPG area (no sparks!!!)
08-7-00-1352	ACTUATOR, DIFFERENT TYPES, FITTED ON DIFFERENT VALVE SIZES FOR DRY GAS PIPELINES	NOS.	25	Gas pipeline repairs
08-7-00-1353	STOPPLE PLUGGING MACHINE FOR REPLACEMENT OF DEFECTED SECTION OF LPG LINE 14 INCHES PIPELINE COMPRISING: SANDWICH VALVES, FITTINGS, NECESSARY ACCESSORIES, BOLTS, NUTS FOR ABOVE OPERATION	LOT	2	Repairs to LPG lines

MINISTRY OF OIL
SHEET NO.: 8 OF 14
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1354	REHABILITATION OF 24 INCHES DIAMETER, 135KM. LONG NORTH RUMAILA-NASSIRIYA DRY GAS PIPELINE & THE 10 INCH DIA. 161KM. SHUABA-NASSIRIA PRODUCTS PIPE LINE REHABILITATION INCLUDES THE FOLLOWING ITEMS:- - CLEANING THE PIPELINE USING CLEANING PIGS FOLLOWED BY RUNNING PIGS WITH GAUGING PLATES - MEASURING AND RECORDING THE INTERNAL GEOMETRY OF THE PIPELINE USING CALIPER PIGS - INTERNAL INSPECTION OF THE LINE USING INTELLIGENT PIGS TO DETECT AND LOCATE CORRODED AREAS AND DEFECTS - SUPPLYING ALL TOOLS, PIGS, PIG TRACKING EQUIPMENT AND PRESSURE MONITORING EQUIPMENT REQUIRED FOR FULFILLMENT OF THE ABOVE MENTIONED OPERATIONS - SUBMITTING A FINAL REPORT DETAILING RESULTS OF THE INSPECTION SURVEY AND SHOWING REMEDIAL MEASURES AND MAINTENANCE WORK REQUIRED FOR THE REHABILITATION OF THE ABOVE MENTIONED PIPELINE INCLUDING MATERIALS REQUIRED	LOT	1	Repair and maintenace to dry gas and product lines, now working atb reduced presuure. Intelligent pigging contract " " " "
08-7-00-1355	PIG RECEIVING TRAP, 24 INCHES, ANSI 600, SKID MOUNTED PIG RECEIVING TRAP, SUITABLE TO RECEIVE CURRENTLY AVAILABLE INTELLIGENT PIG, TO BE INSTALLED ON THE 24 INCHES DRY GAS NORTH RUMAILA-NASSIRIYA LINE COMPLETE WITH SERVICE VALVES, PIG SIGNAL, PRESSURE INDICATOR, CONNECTING PIPING TO MAIN LINE, BY-PASS LINE AND VENT LINE.	LOT	1	Purchase of pig trap.

MINISTRY OF OIL

SHEET NO.: 9 OF 14

ESTABLISHMENT NAME: OIL PIPELINES COMPANY

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1356	LINE PIPE, CARBON STEEL, 8 INCHES, 15 KILOMETERS TOTAL LENGTH, COMPLETE WITH THE FOLLOWING: - HEATING SYSTEM, INSULATION AND OVERALL METAL SHEATHS - CATHODIC PROTECTION EQUIPMENT - ACCESSORIES INCLUDING VALVES, FLANGES, TEES, ELBOWS, REDUCERS, CAPS, GASKETS, STUD BOLTS, NUTS, WELDING ELECTRODES ... ETC.	LOT	1	Line pipe for electrical power station at Beiji " " "
08-7-00-1357	LINE PIPE, CARBON STEEL, 16 INCHES, 70 KILOMETERS, FACTORY COATED WITH EXTRUDED POLYETHYLENE PLUS HEAT SHRINKABLE SLEEVES FOR GIRTH WELDS COMPLETE WITH ALL ACCESSORIES INCLUDING FITTINGS, VALVES, WELDING ELECTRODES, CATHODIC PROTECTION SYSTEM	LOT	1	Line pipe for power station at Yousifiya, currently using crude as supply, thus switching to products.

MINISTRY OF OIL

SHEET NO.: 10 OF 14

ESTABLISHMENT NAME: OIL PIPELINES COMPANY

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1358	REHABILITATION OF EXISTING GAS COMPRESSOR STATION IN NORTH RUMAILA. REHABILITATION INCLUDING SUPPLYING, ERECTION AND COMMISSIONING OF THE FOLLOWING MISSING EQUIPMENT: - AIR COMPRESSORS, 2 NOS . - CONTROL AND TELECOMMUNICATION SYSTEMS - LOADING PROGRAMS FOR CONTROL SYSTEMS FOR OPERATING AND CONTROLLING A/M SYSTEM - ON LINE PRINTERS - OPERATING MANUALS WITH SPECIAL TOOLS REQUIRED FOR THE OPERATION AND MAINTENANCE OF THE A/M EQUIPMENT - SPARE PARTS FOR A/M EQUIPMENT	LOT	1	Repair to Gas Compressor Station at N Rumailah " " " " " "
08-7-00-1359	LPG PIPELINE, CARBON STEEL, 10 INCHES, 180 KILOMETERS LENGTH, FACTORY COATED WITH EXTRUDED POLYETHYLENE, COMPLETE WITH THE FOLLOWING: - LAUNCHING AND RECEIVING TRAP STATIONS - REDUCTION PRESSURE STATION - FILTERS, MICROFILTERS, FLOW METERS - LINE BREAK VALVES, 10 INCHES, BALL AND CHECK VALVES - CONTROL AND TELECOMMUNICATION SYSTEM - CATHODIC PROTECTION SYSTEM - ELECTRICAL MATERIALS COMPRISING OF CABLES, LIGHTING FITTINGS, WELDING ELECTRODES, ... ETC. - ACCESSORIES INCLUDING BALL VALVES, GLOBE VALVES, CHECK VALVES, FLANGES, TEES, ELBOWS, REDUCERS, CAPS, GASKETS, STUD BOLTS, NUTS, ... ETC., OF DIFFERENT SIZES	LOT	1	LPG pipeline from Beiji to Mosul for domestic gas delivery. " " " " " " " "

MINISTRY OF OIL

ESTABLISHMENT NAME: OIL PIPELINES COMPANY

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1360	DRAG REDUCER (FLOW IMPROVEMENT ADDITIVE) COMPLETE WITH REQUIRED EQUIPMENT FOR TWO COMPLETE INSTALLATIONS, INJECTION IN PIPELINE NET WORKS AT TWO DIFFERENT LOCATIONS, COMPRISING	TON	300	Drag reducer and other items for pipeline as above.
	- NITROGEN MODULES	MOD.	4	"
	- TANK MODULES	MOD.	4	"
	- PUMP MODULES AND ACCESSORIES	MOD.	4	"
	- ALL NECESSARY ACCESSORIES			"
08-7-00-1361	- LINE PIPE, CARBON STEEL, 42 INCHES DIAMETER, 143 KILOMETERS, FACTORY COATED WITH EXTRUDED POLYETHYLENE PLUS HEAT SHRINKABLE SLEEVES FOR GIRTH WELDS, COMPLETE WITH THE FOLLOWING	LOT	1	Equipment for dry gas 42 inch line as currently bottlenecked by 24 inch sections.
	- SLEEVE PIPE, CARBON STEEL 48 INCHES, 500 METERS LENGTH, COATED WITH EXTRUDED POLYETHYLENE PLUS HEAT SHRINKABLE SLEEVES FOR GIRTH WELDS			"
	- WELDING ELECTRODES, 125 TONS, OF DIFFERENT SIZES AND TYPES			"
	- LINE BREAK VALVES, 42 INCHES, 17 NOS.., 12 INCHES, 63 NOS..			"
	- LINE BREAK VALVES, SELF OPERATED, 14 INCHES, 2 NOS..			"
	- LAUNCHING AND RECEIVING STATIONS, 46 INCHES, 2 NOS..			"
	- FITTINGS, DIFFERENT SIZES AND TYPES FOR A/M PIPELINE			"
	- CATHODIC PROTECTION SYSTEM			"

MINISTRY OF OIL

ESTABLISHMENT NAME: OIL PIPELINES COMPANY

LOCATION: OIL DEPOTS / PUMPING STATIONS / PIPELINES NETWORK

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1362	PIPELINE, CARBON STEEL, 12 INCHES DIAMETER, 161 KILOMETER LENGTH, FACTORY COATED WITH EXTRUDED POLYETHYLENE, COMPLETE WITH: - LAUNCHING AND RECEIVING TRAP STATIONS - METERING AND PRESSURE REDUCTION STATIONS - LINE BREAK VALVES - CATHODIC PROTECTION SYSTEM - ACCESSORIES INCLUDING VALVES, FLANGES, TEES, ELBOWS, REDUCERS, GASKETS, CAPS, STUD BOLTS AND NUTS - WELDING ELECTRODES, FLOW METERS, FILTERS - CONTROL EQUIPMENT - HEAT SHRINKABLE SLEEVES	LOT	1	Equipment and parts for 12 inch line to carry products whilst 10" line is being repaired
08-7-00-1363	PUMPING STATION FOR OIL PRODUCTS COMPRISING THE FOLLOWING: - MAIN PUMPS, 2 NOS.. - INTERNAL PIPING, VALVES, FITTINGS AND ACCESSORIES - MEASURING AND CONTROL EQUIPMENT - REMOTE CONTROL PANEL - POWER AND CONTROL CABLES - PRESSURE REDUCTION STATION - ELECTRICAL EQUIPMENT - METERING AND GAUGING - PROTECTION SYSTEM, COMPLETE (TEMPERATURE, VIBRATION, PRESSURE,.. ETC.) WITH ALL REQUIRED ACCESSORIES TO COMPLETE THE ABOVE OPERATION STATION	LOT	2	Pumping stations to allow increased transfer rates between North and South. Two new boosting stations will incrase the flow whilst reducing operating pressures

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1364	MATERIALS FOR SPIRAL PIPES FOR REHABILITATION CONSISTING OF:-			
	- HOT ROLLED STEEL COILS TO BE ROLLED IN ACCORDANCE TO API S.T.D SIZE (1500X10.31) MM. GRADE X-52	TON	7000	Supply of pipes and associated equipment in uncommom sizes for general repair and maintenance of both 42" and 10" lines above.
	- HOT ROLLED STEEL COILS TO BE ROLLED IN ACCORDANCE TO API S.T.D SIZE (650X7.09)MM GRADE X-52	TON	13000	
	- WELDING RODS & WELDING WIRE OF DIFFERENT TYPES & SIZES	TON	143.5	"
	- WELDING FLUX L.761 (LINCOLN TYPE)	TON	221	"
	- GRINDING DISK DIFF. SIZES	NOS.	1500	"
	- EPOXY POWDER	TON	21.2	"
	- BONDING AGENT	TON	39.5	"
	- POLY ETHYLEN (LOW DENSITY)	TON	742	"

MINISTRY OF OIL
ESTABLISHMENT NAME: OIL PIPELINES COMPANY
LOCATION: MID EUPHRATES AREA.
ACTIVITY NO. (70) :

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-70-1365	EXPANSION OF OIL PRODUCTS DEPOTS CONSISTING OF:-			This project has already been addressed in an Amendment to Phase 6. It will improve distribution of products in the area nominated.
	- LINE PIPES, PIPE FITTING, FLANGES, VALVES AND COATING MATERIAL.	ITEM	26	
	- TANKS COMPLETE WITH ALL ACCESSORIES TWO 5000m^3 FLOATING ROOF FIVE 10000m^3 FLOATING ROOF & ONE 10000 m^3 FIXED ROOF	NOS.	8	
	- LOADING PUMPS UNDER STEEL SHED FOR GASOLINE AND KEROSENE WITH MOTORS & WITH ALL ACCESSORIES, FIRE WATER PUMPS UNDER STEEL SHED WITH MOTORS & WITH ALL ACCESSORIES.	NOS.	19	
	- PRODUCT LOADING ARMS WITH ALL ACCESSORIES STEEL STRUCTURE PLATFORM, CONTROL AND INSTRUMENTATION REQUIREMENTS, ELECTRICAL REQUIRMENT… ETC.	NOS.	11	
	- PORTABLE FIRE FIGHTING EXTINGUISHING EQUIPMENT	ITEM	12	
	- INSTRUMENT EQUIPMENT	ITEM	200	
	- CABLES	LOT	1	
	- FITTINGS	LOT	1	
	- FIRE ALARM SYSTEM	SET	110	
	- ELECTRICAL CABLES & ACCESSORIES	LOT	1	

MINISTRY OF OIL
SHEET NO.: 1 OF 4
ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	TRUCKS AND SPARE PARTS			
08-7-00-1400	SPARE PARTS FOR DIFFERENT TYPES OF TRUCK TRACTORS	NOS.	10000	Truck spare parts for LPG distribution
08-7-00-1401	SPARE PARTS FOR LPG AND FUEL SEMI TRAILER	NOS.	10000	"
08-7-00-1402	TANK LORRY 6X4 CAPACITY 18000 LIT. FOR OIL PRODUCTS WITH SPARE PARTS	NOS.	80	Transportation of products.
08-7-00-1403	TANK LORRY 6X4 CAPACITY 18000 LIT. FOR OIL PRODUCTS WITH P.D. METER-AND P.T.O PUMP FOR DISCHARGE WITH SPARE PARTS	NOS.	20	Product lorries, with PD meters.
08-7-00-1404	TRUCK TRACTOR 6X4 WITH SPARE PARTS	NOS.	100	Tractors for towing flat bed trailers.
08-7-00-1405	CARGO TRUCK 4X2 CARGO CAPACITY 12 TONS MAX. WITH SPARE PARTS	NOS.	15	"
08-7-00-1406	RECOVERY TRUCKS WITH SPARE PARTS	NOS.	10	Vehicles for recovery of broken down transportation
08-7-00-1407	LPG SEMI TRAIL OR CAP. 45000 LIT. WITH SPARE PARTS	NOS.	10	LPG tanks for gas transportation
08-7-00-1408	TANK LORRY FOR WATER TRANSPORT 2X4 CAP. 12000 LIT. WITH SPARES	NOS.	10	Vehicles for water transfer
08-7-00-1409	TRUCK CLEANERS FOR FUEL TANKS WITH SPARE PARTS	NOS.	4	Cleaning trucks with recirculating systems.

MINISTRY OF OIL — SHEET NO.: 2 OF 4
ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1410	TYERS 1200 X 20 X 18 (RADIAL) WITH TUBE AND FLAP	NOS.	6000	Replacements for worn tyres
08-7-00-1411	BATTERIES 12 V X 135 A	NOS.	1000	"
	LIGHT TRUCKS AND SPARE PARTS			
08-7-00-1412	LIGHT CARGO TRUCKS 2X4 CARGO CAPACITY 3TON DIESEL DRIVEN WITH SPARE PART	NOS.	15	Vehicles for lube oil distribution
08-7-00-1413	MOBILE WORK SHOPS WITH SPARE PART	NOS.	10	Maintenance requirements
08-7-00-1414	PICK UP LIGHT TRUCK WITH SPARE PARTS	NOS.	60	Personnel transport
08-7-00-1415	MINI BUS 10 SEATS WITH SPARE PARTS	NOS.	25	"
08-7-00-1416	SPARE PARTS FOR HEAVY DUTY LIGHT TRUCKS	NOS.	5000	"
	HEAVY EQUIPMENT AND SPARE PARTS			
08-7-00-1417	MOBILE HYDR CRANES 10-20 TON LOADING CAP. WITH SPARES	NOS.	6	Maintenance requirements
08-7-00-1418	BULK CEMENT CARRIER CAP. 32M3 WITH SPARES	NOS.	7	Cement truck for deliveries
	EQUIPMENT AND ACCESSORIES			
08-7-00-1419	MOBILE AIR COMPRESSORS WITH SPARES	NOS.	10	For maintenance of filling stations
	DIESEL ELECTRIC GENERATORS			
08-7-00-1420	50-60 KVA 100-110 KVA 250 KVA	NOS. NOS. NOS.	20 10 5	Emergency power supplies for filling stations
	DEPOTS AND PETROL FILLING STATIONS EQUIPMENT AND ACCESSORIES			
08-7-00-1421	FUEL DISPENSERS WITH SPARES	NOS.	300	Dispensers for filling stations
08-7-00-1422	SPARE PARTS FOR NUOVOPIGNONE FUEL PUMPS	NOS.	4000	Spares for existing pumps.

MINISTRY OF OIL
SHEET NO.: 3 OF 4
ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION COMPANY
LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
08-7-00-1423	SPARE PARTS FOR NOZZLES	NOS.	50000	Filling station spares
08-7-00-1424	STANDARD VOLUME CALIBRATING DEVICES	NOS.	160	"
08-7-00-1425	P.D. METERS	NOS.	100	"
08-7-00-1426	SPARE PARTS FOR METERS	NOS.	5000	"
08-7-00-1427	PIPES SIZE 2"-16"	MTR.	20000	"
08-7-00-1428	FITTING SIZE 2"-16"	NOS.	7000	"
08-7-00-1429	SUBMERSIBLE PUMPS	NOS.	300	"
08-7-00-1430	LABORATORY TESTING EQUIPMENT WITH ACCESSORIES	SET	200	Lab equipment for local QC.
08-7-00-1431	OIL PRODUCTS STORAGE TANKS WITH ALL ACCESSORIES CAP.10000 M^3	NOS.	4	Product storage tanks
08-7-00-1432	OIL PRODUCTS STORAGE TANKS WITH ALL ACCESSORIES CAP.50000 M^3	NOS.	3	Product storage tanks
08-7-00-1433	OIL PRODUCTS STORAGE TANKS WITH ALL ACCESSORIES CAP.20000 M^3 FLOATING ROOF	NOS.	2	Product storage tanks
08-7-00-1434	TOOLS FOR MAINTENANCE IN PETROL STATIONS AND DEPOTS	NOS.	1000	Repair and maintenance tools
08-7-00-1435	SEALING WIRES	KG.	1000	Sealing equipment
	TOOLS FOR SEALING	NOS.	100	"
	TAGS FOR SEALING	NOS.	30000	"
08-7-00-1436	LOADING AND UNLOADING PUMPS	NOS.	5	Pumps for products
08-7-00-1437	LOADING ARMS	NOS.	5	Loading arms for distribution centres

MINISTRY OF OIL

SHEET NO.: 4 OF 4

ESTABLISHMENT NAME: OIL PRODUCTS DISTRIBUTION COMPANY

LOCATION: ALL AREAS

CODE	ITEM DESCRIPTION	UNIT	QTY	COMMENT
	ELECTRIC EQUIPMENT ACCESSORIES			
08-7-00-1438	LIGHTING FITTINGS	NOS.	25000	Electrical and control items for filling stations and depots
08-7-00-1439	WINDING WIRES FOR ELECTRIC MOTOR	TON	25	"
08-7-00-1440	ELECTRONIC EXCHANGER (OPERATORS)	NOS.	9	"
08-7-00-1441	CONTROL CABLES	MTR.	20000	"
08-7-00-1442	TELEPHONE SET	NOS.	500	"
	FIRE AND SAFETY EQUIPMENT			
08-7-00-1443	FIRE FIGHTING EQUIPMENT	NOS.	400	Safety and fire fighting equipment, and consumables
08-7-00-1444	FIRE FIGHTING TRUCK WITH SPARE PARTS	NOS.	2	"
08-7-00-1445	FIRE FIGHTING PUMPS	NOS.	5	"
08-7-00-1446	FIRE FIGHTING FOAM	LIT.	50000	"
08-7-00-1447	DRY CHEMICAL POWDER FOR FIRE EXTINGUISHERS	TON	10	"
08-7-00-1448	REFILLING	NOS.	1	"
08-7-00-1449	AMBULANCE	NOS.	1	"
08-7-00-1450	SAFETY SHOES, SUITS &GLOVES	NOS.	4000	"
08-7-00-1451	INSTRUMENTS FOR MEASURING HYDROCARBON GASES AND INSPECTION TESTING WITH ACCESSORIES	SET	100	Safety testing equipment